

Diode Selection Guide

JJMICROELECTRONICS (China)

Qidong

No. 3000, Qiantang River Road,
Economic Development Zone,
Qidong, JiangSu

Nantong

No. 6, Jinggangshan Road,
Sutong Science and Technology Industrial Park,
Nantong, Jiangsu

No.1, Jinggangshan Road,
Suxitong Park, Nantong, Jiangsu

Shenzhen

Room 4108, Block B1, Building 12,
Shenzhen Bay Science and
Technology Ecological Park, Shenzhen

Room 1403, Block B, Building 3,
Tianyungu Phase I, Bantian Street,
Longgang District, Shenzhen

Wuxi

H1-7, China Internet of Things
International Innovation Park,
No.6, Jingxian Road, Xinwu District, Wuxi

Shanghai

11 / F, Block A, No. 333, Haiyang 1st Road,
Lingang Special Area Shanghai Pilot Free Trade Zone

Room 1501 & 1502,
AFC Great Hongqiao International,
No.999, Li'an Road, Xinzhuang Town,
Minhang District, Shanghai

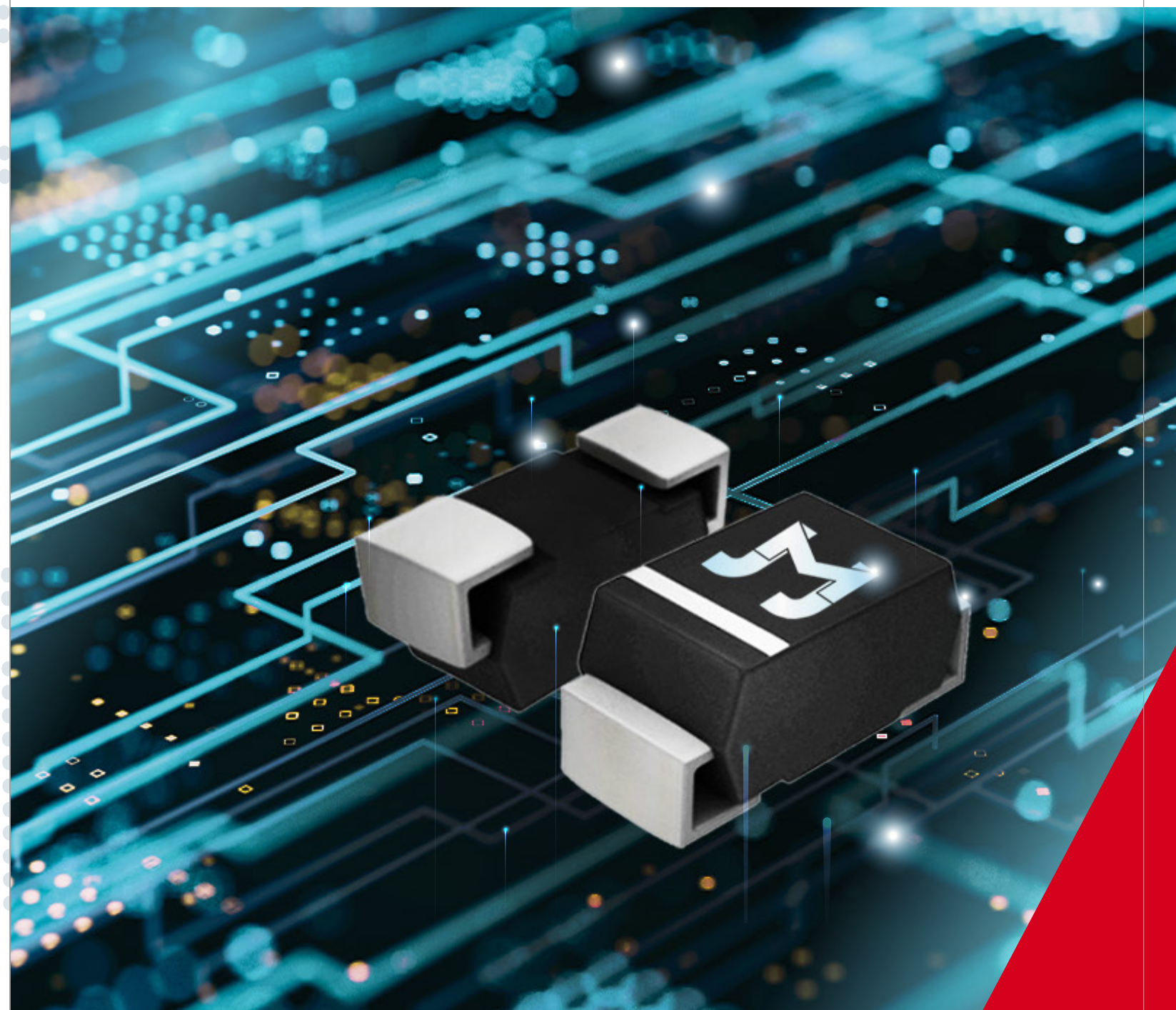
JJMICROELECTRONICS (International)

Singapore

1 One-north Crescent,
Level 7 Singapore 138538

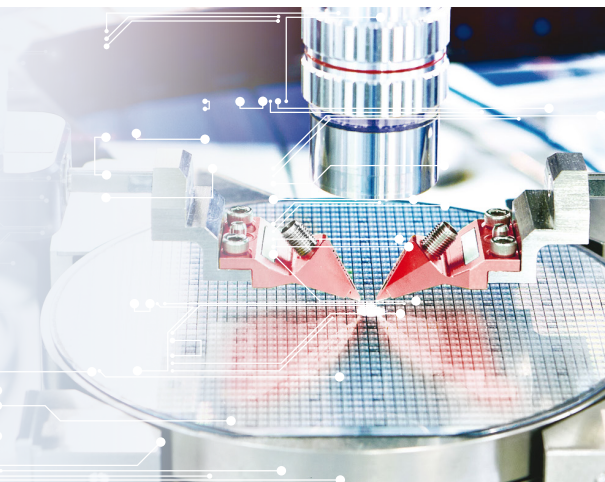
India

Delhi, India



JJMICROELECTRONICS

is a **leading global IDM for quality power semiconductor devices** with almost 30 years of manufacturing excellence.



Key Facts

JJM was established in 1995 and became public listed in 2017. Since then, there has been phenomenal growth, with a CAGR of 32.8% (2017-2021)

 Founded In 1995 with USD 67 Million in Capital	 Revenue USD 289 million (CNY1.8 billion) revenue in 2022	 Headquartered In China, International HQ in Singapore
 Facilities 8 Subsidiaries, 4 Wafer Fabs, 4 A&T sites, 7 R&D teams in 4 R&D centers	 Sales Network Sales representatives & distributors across the globe	 Employees Over 2,000 employees with 19% reinvestment into R&D

Our Vision is to be an internationally competitive and trusted manufacturer of power semiconductor devices

Our History

The Beginning of Pragmatic Innovation

- JJM established in 1995
- Develop, A/T and sales of Thyristors

Capital Innovation for a Promising Future

- Subsidiary "JieJie Semicon" established for protective components and diodes
- "Power Electronics Eng. Tech Research Center" established

Expansion Of Innovation

- New A/T @QD
- Subsidiary "JJM Shenzhen" & "JJM Shanghai" established

Global Strategic Framework

- Subsidiary "Jiangsu Yixi Tech" established
- Automotive grade A/T kicked off
- GSM International HQ established in SG
- MP started in our Nantong new 8" fab

Reform & Innovate for Better Product Performance

- Develop, A/T and sale of power components, protective components, diodes, and power modules

A Promising Future

- JJM listed on Shenzhen Stock Exchange (Stock code 300623)
- MOSFET R&D center established
- Develop, A/T and sales of MOSFETs

Technology & Quality

- Lab is CNAS accredited
- Subsidiaries "Jiangsu JieJie Semicon", "JJM Wuxi", "JJM Nantong", and "Jiangsu JieJie Semicon Tech Research" established

1995 - 2000

2001 - 2013

2014 - 2016

2017

2018 - 2019

2020

2021 - 2022

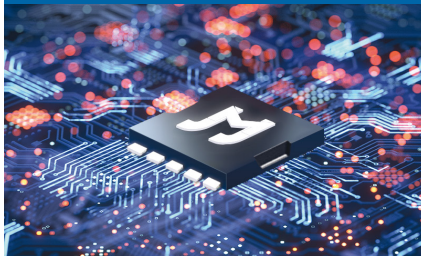
3 Main Pillars for Success

In creating values for you, we stand by our pillars of technological innovation, superior quality and competitive agility as keys to customer success and our continued growth to create value for our customers, shareholders, employees and community.

Technological Innovation



Superior Quality



Competitive Agility



Our Global Network



Headquartered @ China

Sales Office @ India

International HQ @ Singapore

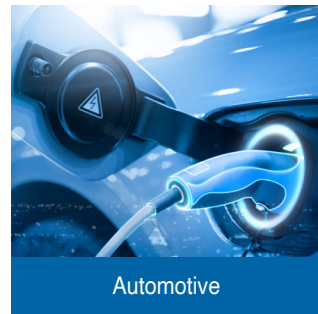
JJM Sales Offices

JJM Manufacturing Sites

Distribution Partners

Solutions for Industry

JJM products are developed to meet a **wide range of application requirements across various industries.** Our technologies, alongside their associated tools, enable our customers to go to market faster and more cost-efficiently.



Automotive



Industrial



Consumer



Communication

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Schottky

Schottky Barrier Diodes

SBD is short for schottky barrierbond (SBD).
SBD is not made by using p-type semiconductor contact with -type semiconductor to form PN junction principle, but by using metal-semiconductor junction principle formed by metal contact with semiconductor.



Fast Recovery Diodes

Fast Recovery

Most diodes have a current direction that we call a rectifier.
The most common function of a diode is opposite direction (called reverse bias). Therefore, the diode can be considered as an electronic version of the check valve.



Diodes

General Purpose/Low VF/Bridge Rectifier

Most diodes have a current direction that we call a rectifier.
The most common function of a diode is opposite direction (called reverse bias). Therefore, the diode can be considered as an electronic version of the check valve.



TVS

Transient Voltage Suppressors

TVS (Transient Voltage Suppressor), also known as Transient suppression diodes, is widely used a new type of high efficient circuit protection device,it has a fast response time (the nanosecond and high surge absorbing ability).

When it ends of stand moments of high energy shock, TVS can bring the two ends at high rate from high impedance to a low impedance between impedance values, to absorb a large current moment, put it at both ends of the voltage restraint on a predetermined value, thus protecting the back of the circuit components are not affected by the impact of the transient high pressure spikes.



TSS

Thyristor Surge Suppressors

Solid discharge tube, also called semiconductor discharge tube, is a kind of over-voltage protection device, is made by using the theory of thyristor, depending on the PN junction breakdown current trigger conduction discharge device, can through the large surge current or pulse current. The range of its breakdown voltage constitutes the range of overvoltage protection.

When the solid discharge tube is used, it can be directly connected across both ends of the protected circuit.



ESD

Electro Static Discharge Diodes

The ESD protection device is specially used for small signal ESD protection or surge protection TVS array, which is mostly used for multi-channel protection. It has the advantages of small package size and high integration degree.



Zener

Zener Diodes

This diode is a semiconductor device with high resistance until the critical reverse breakdown voltage. When reverse breakdown voltage regulator tube, in a certain range of current (or within a certain range power loss), terminal voltage is almost constant, show that the voltage characteristic, therefore widely used in the stabilized voltage supply and limiting circuit.



M

Schottky Barrier Diode

The Schottky diode Schottky (Schottky) diode, also known as the Schottky barrier diode (SBD), belongs to a low power, ultra high speed semiconductor device. The most notable feature is that the reverse recovery time is very short (to a few nanoseconds), and the forward conduction voltage drop is only about 0.4V. It is used as a high frequency, low voltage, high current rectifier diode, a continuous current diode, a protective diode, and also used as a rectifier diode and small signal detector in a microwave communication circuit. It is common in communication power, frequency converter and so on.

VRRM (V)	IF(AV) (A)	IFSM (A)	VF_Max (V)	IR_Max (μA)	IF (A)	CJ_Typ (pF)	CJ_Max (pF)	Package								
																
20	1	9	0.45	1000	1	-	120				JSPD1120A		JSPD120A			
30	0.2	0.6	1	2	0.1	-	10								JSPL0230A JSPL0230AA JSPL0230AC JSPL0230AS	
		1	0.5	30	0.2	-	-						JSPD50230B			
		1	0.6	1	0.2	-	-					JSPD50230A				
40	0.2	0.6	1	0.2	0.04	-	5								JSPL0240A JSPL0240AS JSPL0240AC JSPL0240AA	
		0.35	2	0.6	5	0.2	50	-			JSPD10340A					
	1	7	0.61	40	1	-	-							JSTD5140A		
		9	0.6	1000	1	-	120			JSPD1140A		JSPD140A				
		30	0.55	500	1	110	-	JSPX140A								
	2	50	0.55	100	2	150	-	JSPX240A				JSPI140A				
	3	80	0.55	100	3	210	-	JSPX340A	JSPG340A			JSPI240A				
	5	120	0.55	100	5	350	-	JSPX540A	JSPG540A			JSPI340A				
		120	0.55	100	5	400	-			JSPJ540A						
45	10	100	0.65	100	5	500	-									
	30	200	0.65	100	15	800	-									JSPE3045ACT
	30	290	0.56	100	30	750	-									JSTE30P45A
60	1	9	0.7	500	1	-	120						JSPD160A			
		10	0.7	100	1	-	120				JSPD1160A					
		30	0.7	500	1	110	-	JSPX160A				JSPI160A				
	2	50	0.7	100	2	150	-	JSPX260A				JSPI260A				
	3	80	0.7	100	3	210	-	JSPX360A	JSPG360A			JSPI360A				
	5	120	0.7	100	5	350	-	JSPX560A	JSPG560A							
		120	0.7	100	5	400	-			JSPJ560A						
	30	200	0.75	100	15	800	-									JSPE3060ACT

VRRM (V)	IF(AV) (A)	IFSM (A)	VF_Max (V)	IR_Max (μA)	IF (A)	CJ_Typ (pF)	CJ_Max (pF)	Package							
															
100	1	30	0.85	100	1	90	-		JSPX1100A			JSPI1100A			
	2	50	0.85	100	2	110	-		JSPX2100A			JSPI2100A			
	3	80	0.85	100	3	90	-		JSPX3100A	JSPG3100A		JSPI3100A			
	5	120	0.85	100	5	150	-			JSPG5100A					
		120	0.85	100	5	160	-		JSPX5100A						
		120	0.85	100	5	200	-				JSPJ5100A				
	5.5	110	0.74	1000	10	180	-						JSPK5100A		
	10	100	0.85	100	5	112	-				JSPC10100ACT				JSPE10100ACT
		170	0.75	50	10	800	-								
20	150	0.85	100	10	300	-	JSPF20100ACT				JSPC20100ACT		JSPK20100ACT	JSPE20100ACT	
30	200	0.85	100	15	350	-					JSPC30100ACT				
150	1	30	0.9	100	1	90	-		JSPX1150A			JSPI1150A			
	2	50	0.9	100	2	110	-		JSPX2150A			JSPI2150A			
	3	80	0.9	100	3	90	-		JSPX3150A	JSPG3150A		JSPI3150A			
	5	120	0.9	100	5	150	-			JSPG5150A					
		120	0.9	100	5	160	-		JSPX5150A						
		120	0.9	100	5	200	-				JSPJ5150A				
	10	100	0.9	100	5	112	-					JSPC10150ACT			
	20	100	0.9	1000	5	110	-							JSPK10150ACT	
		150	0.95	100	10	300	-	JSPF20150ACT				JSPC20150ACT			
	30	200	0.9	100	15	350	-	JSPF30150ACT				JSPC30150ACT			
80	275	0.9	100	40	-	-						JSPS80150ACT			
120	275	0.95	100	60	-	-						JSPS120150ACT			
200	1	30	0.9	100	1	90	-		JSPX1200A			JSPI1200A			
	2	50	0.9	100	2	110	-		JSPX2200A			JSPI2200A			
	3	80	0.9	100	3	90	-		JSPX3200A	JSPG3200A		JSPI3200A			
	5	120	0.9	100	5	150	-			JSPG5200A					
		120	0.9	100	5	160	-		JSPX5200A						
		120	0.9	100	5	200	-				JSPJ5200A				
	10	100	0.95	100	5	112	-	JSPF10200ACT							JSPE10200ACT
	20	150	0.95	100	10	300	-	JSPF20200ACT							
30	200	0.95	100	15	350	-					JSPC30200ACT				

Fast recovery diode:

Fast recovery diode (fast recovery diode) is a semiconductor diode with good switching characteristics and short reverse recovery time. It is mainly used in switching power, PM pulse width modulator, frequency converter and other electronic circuits, used as high frequency rectifier diode, reflux diode or damping diode.

Fast recovery epitaxial diode:

Using extension PIN structure, it has shorter reverse recovery time, smaller recovery charge and reverse recovery current, and has better soft recovery characteristics. Commonly used for the high frequency inverter switch device as a continuing, absorption, clamping, isolation, output and input rectifier, so that the function of the switch device has been fully played.

HYPERFast DIODE

Trr_Max *1(ns)	@ VRRM (V)	IF(AV) (A)	VF_Max (V) @ TA=25°C				Package								
				SMA	SMB	SOD-123FL	TO-220A-2L	TO-220B	TO-220C	TO-220C-2L	TO-220FP	TO-220FP-2L	TO-247J	TO-252	TO-263
20	600	8	3.6				JECR0806AL-D								
25	200	1	0.92	EES1D											
	200	1	0.95			JECR0102FL									
	200	1	1	JECR0102SA											
	200	1	1.05			JECR0202FL									
	200	2	0.95		JECR0202SB										
	200	2	1.05	JECR0202SA											
	200	3	0.875												
	200	3	0.95											JECR0302K	
	200	5	1.1											JECR0502K	
	200	8	1.05						JECR0802CL						
	200	8	1.1												JECR0802E
	200	10*2	1.1					JECR2002BCT	JECR2002CCT		JECR2002FPCT		JECR2002SCT		JECR2002ECT
	200	15*2	1.1										JECR3002SCT		
	200	20*2	1.1										JECR4002SCT		
	200	5*2	1.1					JECR1002BCT	JECR1002CCT		JECR1002FPCT			JECR1002KCT	JECR1002ECT
	200	6*2	1.1											JECR1202KCT	
	200	8*2	1.1					JECR1602BCT	JECR1602CCT		JECR1602FPCT				JECR1602ECT
	400	3	1.25		JECR0304SB										
	600	5	3.3							JECR0506CL		JECR0506FPL		JECR0506K	
	600	8	3.4				JECR0806AL			JECR0806CL		JECR0806FPL		JECR0806KW	JECR0806E
	600	10	3.2				JECR1006AL			JECR1006CL		JECR1006FPL			

Trr_Max *1(ns)	@ VRRM (V)	IF(AV) (A)	VF_Max (V) @ TA=25°C							Package								
				DO-15	DO-27	DO-41	SMA	SMC	SOD-123FL	TO-220A	TO-220A-2L	TO-220B	TO-220C	TO-220C-2L	TO-220FP	TO-220FP-2L	TO-247J	TO-252
30	600	15	3.2					JEER1506AL			JEER1506CL		JEER1506FPL				JEER1506E	
	600	20	2.5										JEER2006FPL					
	600	20	2.9					JEER2006AL			JEER2006CL							
	600	15*2	3.2											JEER3006SCT				
35	200	1	0.95	ES1D	ES1DB		ES1002FL											
	200	2	0.95	ES2DA	ES2D													
	200	3	0.95		JEER0302SB	ES3D												
	200	5	0.95		ES3DB"	ES5D							JEER0502FPL			JEER0502K		
	200	8	0.95		ES5DB													
	200	10	1.1															
	200	16	1.1															
	200	20	1.1															
	200	10*2	1.1						JEER2002BCT	JEER2002CCT		JEER2002FPCT						
	200	15*2	1.1											JEER3002SCT				
	200	30*2	1.15											JEER6002SCT				
	200	5*2	0.95						JEER1002BCT									
	400	1	1.3	ES1G			ES1004FL			JEER1002CCT		JEER1002FPCT						
	400	2	1.3	ES2GA	ES1GB													
	400	3	1.3		ES2G	ES3G												
	400	5	1.25		ES3GB													
	400	5	1.3			ES5G											JEER0504K	
	400	8	1.3		ES5GB								JEER0504FPL					
	400	10	1.3							JEER0804CL		JEER0804FPL				JEER0804K	JEER0804E	
	400	16	1.3							JEER1004CL		JEER1004FPL				JEER1004K		
	400	20	1.3							JEER1604CL		JEER1604FPL						
	400	30	1.4							JEER2004CL		JEER2004FPL						
	400	10*2	1.3					JEER2004BCT		JEER2004CCT		JEER2004FPCT			JEER3004SL		JEER2004ECT	
	400	15*2	1.3											JEER3004SCT				JEER3004ZCT
	400	20*2	1.45											JEER4004SCT				
	400	5*2	1.3					JEER1004BCT		JEER1004CCT		JEER1004FPCT				JEER1004KCT	JEER1004ECT	
	400	8*2	1.3					JEER1604BCT		JEER1604CCT		JEER1604FPCT					JEER1604ECT	
	600	1	1.5	JEER0106SA			JEER0106FL											
	600	1	1.7	ES1J	JEER0106SB		ES1006FL											
	600	2	1.7	ES2JA	ES1JB													
	600	3	1.3		ES2J													
	600	3	1.7		JEER0306SB	ES3J												
	600	5	1.7		ES3JB	ES5J												
	600	8	1.7		ES5JB													
	600	10	1.7								JEER0806CL		JEER0806FPL			JEER0506K	JEER0806E	
	600	10	1.8							JEER1006CLS		JEER1006FPLS				JEER1006KS,		
	600	15	1.7							JEER1006CL		JEER1006FPL				JEER1006K		
	600	16	1.7								JEER1506CL		JEER1506FPL				JEER1506E	
	600	20	1.7										JEER1606FPL			JEER1506K		
	600	29	3.3										JEER2006FPL		JEER2906SL			
	600	30	2					JEER3006AL							JEER3006SL		JEER3006E	
	600	30	2.75					JEER3006AL			JEER3006CL		JEER3006FPL	JEER3006SW			JEER3006E	
	600	30	275							JEER3006CL		JEER3006FPL	JEER3006SCT					
	600	10*2	1.7						JEER2006BCT	JEER2006CCT		JEER2006FPCT				JEER2006SCT	JEER2006ECT	
	600	15*2	1.7											JEER3006SCT				JEER3006ZCT

Trr_Max *1(ns)	@ VRRM (V)	IF(AV) (A)	VF_Max (V) @ TA=25°C							Package								
				DO-15	DO-27	DO-41	SMA	SMC	SOD-123FL	TO-220A	TO-220A-2L	TO-220B	TO-220C	TO-220C-2L	TO-220FP	TO-220FP-2L	TO-247J	TO-252
35	600	20*2	1.7											JEER4006SCT				JEER4006ZCT
	600	30*2	2											JEER6006SCT				JEER6006ZCT
	600	5*2	1.7						JEER1006BCT	JEER1006CCT		JEER1006FPCT					JEER1006ECT	
	600	8*2	1.7						JEER1606BCT	JEER1606CCT		JEER1606FPCT				JEER1006KCT		
	800	1	1.85	JEER0108SA														
	1000	1	2.4	ES1M			ES1010FL											
	600	30	2.7		ES1MB									JEER3006SL				

Fast Recovery

Fast Recovery

Trr_Max *1(ns)	@ VRRM (V)	IF(AV) (A)	VF_Max (V) @ TA=25°C						Package							
				SMA	SMB	SMC	SOD-123FL	TO-220B	TO-220C	TO-220C-2L	TO-220FP	TO-220FP-2L	TO-247J-2L	TO-252	TO-263	TO-3P
40	300	30*2	1.25													JEUR6003ZCT
45	600	60	2.4										JECR6006SL			
	600	75	2.75										JECR7506SL			
50	200	1	1	US1D			US1002FL									
	200	2	1		US2D											
	200	3	1		US3DB	US3D										
	200	5	1			US5D										
	300	30	1.25							JEUR3003CL					JEUR3003E	
	400	1	1.25	MUR140S	MUR140SB											
	400	1	1.3	US1G			US1004FL									
	400	2	1.25		MUR240S											
	400	2	1.3		US2G											
	400	3	1.25		MUR340SB	MUR340S										
	400	3	1.3		US3GB	US3G										
	400	4	1.25			MUR440S										
	400	5	1.25			MUR540S										
	400	5	1.3			US5G										
	600	1	1.25	MUR160S	MUR160SB											
	600	2	1.25		MUR260S											
	600	3	1.25		JEUR0306SB	MUR360S										
	600	4	1.25		MUR360SB	JEUR0406SC										
	600	4	1.28			MUR460S										
	600	5	1.25													
	600	5	1.3			MUR560S										
	600	5	1.35			JEUR0506SC						JEUR0506FPL		JEUR0506K		
	600	5	1.5													
	600	6	1.5											JEUR0606K		
	600	8	1.25													
	600	8	1.5			JEUR0806SC				JEUR0806CL		JEUR0806FPL			JEUR0806E	
	600	10	1.5							JEUR1006CL		JEUR1006FPL		JEUR1006K	JEUR1006E	
	600	15	1.5							JEUR1506CL		JEUR1506FPL			JEUR1506E	
	600	16	1.5							JEUR1606CL						
	600	20	1.5							JEUR2006CL		JEUR2006FPL			JEUR2006E	
	600	30	1.25									JEUR3003FPL				
	600	10*2	1.5					JEUR2006BCT	JEUR2006CCT		JEUR2006FPCT				JEUR2006ECT	JEUR2006ZCT
	600	5*2	1.35												JEUR1006ECT	
	600	8*2	1.5					JEUR1606BCT	JEUR1606CCT		JEUR1606FPCT				JEUR1606ECT	

Trr_Max *1(ns)	@ VRRM (V)	IF(AV) (A)	VF_Max (V) @ TA=25°C	Package				Package			
				DO-27	SMA	SMB	SMC	SOD-123FL	TO-220FP-2L	TO-247J	TO-247J-2L
52	400	80	1.3							JEUR8004SCT	
65	600	30	1.55						JEUR3006FPL	JEUR3006SW	JEUR3006SL
	600	40	1.6								JEUR4006SL
	600	30*2	1.55							JEUR6006SCT	
75	350	2	1		MUR235SA						
	400	60	1.45							JEUR6004SW	JEUR6004SL
	600	1	1.7		US1M			US1010FL			
	600	1	1.9		US1N75						
	600	2	1.7		US2MA	US2M					
	600	3	1.7			US3MB	US3M				
	600	5	1.7				US5M				
	600	40	1.3								JEFR4006SL
	600	60	2								JEUR6006SL
	600	75	2.1								JEUR7506SL
	600	40*2	1.3							JEFR8006SCT	
	650	60	2							JEUR6006SW	
	800	3	1.7				JEFR0308SC				
	800	4	1.85	JEFR0408G2			JEFR0408SC				
	800	8	1.7					JEFR0808FPL			
	800	10	1.7					JEFR1008FPL			
	800	8*2	1.7								
100	600	1	1.5		US1N						
130	600	30	1.8								
150	400	1	1.3		RS1G			RS1004FL			
	400	2	1.3		RS2GA	RS2G					
	600	1	1.3								
	600	2	1.3								
	600	3	1.3	PG310R		RS3MB	RS3M				
	600	5	1.3	PG510R		RS5MB	RS5M				
250	600	1	1.3		RS1J			RS1006FL			
	600	2	1.3		RS2JA	RS2J					
500	800	1	1.3		RS1M			RS1010FL			
	800	2	1.3		RS2MA	RS2M					

General Purpose/ Low VF/ Bridge Rectifier

General Purpose Rectifier:

Ordinary rectifier diode: Rectifier diode, a semiconductor device used to convert alternating current into direct current. The most important feature of diodes is unilateral conductivity. In the circuit, the current flows from the positive pole of the diode to the negative pole. Usually it contains a PN junction with two terminals, positive and negative.

Low Voltage Rectifier Diode:

Low voltage diode is a diode with positive voltage reduction advantages, suitable for low voltage and high current conditions.

Rectifier Bridge:

Rectifier bridge is to seal the rectifier tube in a shell. It is divided into full bridge and half bridge. The full bridge is sealed with four diodes connected to the bridge rectifier circuit. Half bridge is the half of the four diode bridge rectifier together, with two half bridge to form a bridge rectifier circuit, a half bridge can also form a transformer with the center of the full wave rectifying circuit, the rectifier bridge to take into account the rectifier circuit and the working voltage.

Product Name	Package	@VRRM (V)	IFSM (A) @ tP=8.3ms
GP210R	DO-15	50~1000	60
GP310W	DO-27	50~1000	100
GP510W	DO-27	50~1000	120
EM520B	DO-41	2000	30
GP110Y	DO-41	50~1000	30
GP9016IS	ITO-247	1600	1150
SM520C	SMA	2000	25
SM520A	SMA	2000	30
SM520	SMA	2000	35
SM530	SMA	3000	35
GS1M	SMA	50~1000	30
GS2MA	SMA	50~1000	60
GS2M	SMB	50~1000	60
GS3MB	SMB	50~1000	100
GS5MB	SMB	50~1000	120
GS3M	SMC	50~1000	100
GS5M	SMC	50~1000	120
GS6M	SMC	50~1000	150
GS8M	SMC	50~1000	200
GS10M	SMC	50~1000	200
GS1010FL	SOD-123FL	50~1000	30
GP1610A	TO-220A	600~1000	250
GP2510A	TO-220A	600~1000	350
GP1612	TO-220C-2L	1200	250
GP2512	TO-220C-2L	1200	300
GP3012	TO-220C-2L	1200	300
GP1016	TO-220C-2L	1600	120
GP1616	TO-220C-2L	1600	160
GP2516	TO-220C-2L	1600	300
GP1620	TO-220C-2L	2000	160
GP2512FPL	TO-220FP-2L	1200	300
GP2516FPL	TO-220FP-2L	1600	300
GP3016SRT	TO-247J	1600	300
GP4516SRT	TO-247J	1600	360
GP3012SL	TO-247J-2L	1200	350
GP4012SL	TO-247J-2L	1200	500
GP8012SL	TO-247J-2L	1200	800
GP3016SL	TO-247J-2L	1600	350
GP4016SL	TO-247J-2L	1600	600
GP6016SL	TO-247J-2L	1600	700
GP2512E	TO-263	1200	300
GP1616E	TO-263	1600	160
GP2516E	TO-263	1600	300
GP5016U	TO-3P	1600	600

Product Name	Package	MOQ (kpcs)	VF_Max (V)	@ IF(AV) (A)	IR_Max (μA)	@ VRRM (V)	IFSM (A) @ tP=8.3ms
LF0108	SMA	7.5	0.93	1	5	800	30
LF0208	SMB	3	0.93	2	5	800	60
LF0308B	SMB	3	0.93	3	5	800	100
LF0308	SMC	3	0.93	3	5	800	100
LF0508B	SMB	3	0.93	5	5	800	120
LF0508	SMC	3	0.93	5	5	800	120
LF2008C	SMC	3	0.95	20	5	800	400
LF1008FPL-L	TO-220FP-2L	3	0.95	10	5	800	200
LF1606FPL	TO-220FP-2L	3	0.95	16	5	600	300
LF6006S	TO-247J	4.5	1	60	5	650	600

Diode

Bridge Rectifier

Product Name	Package	IO(A)	VF_Max (V)	@ IF (A)	IR_Max (μA)	@ VRRM (V)	IFSM (A) @ tP=8.3ms
MB10S	MBS	1	1.1	1	5	200~1000	30
MB10F	MBF	1	1.1	1	5	200~1000	35
ABS10	ABS	1	1.1	1	5	200~1000	35
ABS210	ABS	2	1.1	2	5	200~1000	60
GBU410	GBU	4	1.1	2	5	50~1000	150
GBU610	GBU	6	1.1	3	5	50~1000	175
GBU1010	GBU	10	1.1	5	5	50~1000	200
GBU1510	GBU	15	1.1	7.5	5	50~1000	240
GBU816	GBU	8	1.1	4	5	1600	200
GBJ810	GBJ	8	1.1	4	5	50~1000	200
GBJ1510	GBJ	15	1.1	7.5	5	50~1000	240
GBJ2510	GBJ	25	1.1	12.5	5	50~1000	350
GBJ3510	GBJ	35	1.1	17.5	5	200~1000	400

Transient voltage suppressor diode (TVS) is a surge protective device made of diode avalanche breakdown principle. It is used in parallel circuit. When the TVS tube is subjected to an instantaneous high energy shock at both ends, it can reduce its impedance at a very high speed (nanosecond level) and absorb a large current, clamping the voltage between the ends of the two ends to a certain value, so as to ensure that the circuit elements behind the circuit are not damaged by the transient high energy impact. TVS is widely used in the fields of digital products, automobile industry, communication and intelligent control system.

Voltage clamping devices with fast response time.

Transient power varies from 200W-20000W.

Voltage can be customized from 3.3V-600V or higher to meet different requirements and specifications.

Parameter	Range	Unit
P _{PP}	8/20us	[W]
I _{PP}	1000 - 15000	[A]
V _R	15 - 430	[V]
V _{BR_Min}	16 - 440	[V]
I _T	10	[mA]



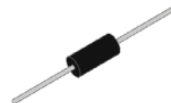
PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial
								Uni-Directional
8/20μs	15	10	16	19	10	28	10000	AK10-015C
8/20μs	15	10	16	19	10	28	3000	AK3-015C
8/20μs	15	10	16	19	10	28	6000	AK6-015C
8/20μs	20	10	22	24	10	50	10000	AK10-020C
8/20μs	20	10	22	24	10	50	3000	AK3-020C
8/20μs	20	10	22	24	10	50	6000	AK6-020C
8/20μs	25	10	28	30	10	60	10000	AK10-025C
8/20μs	25	10	28	30	10	60	3000	AK3-025C
8/20μs	25	10	28	30	10	60	6000	AK6-025C
8/20μs	30	10	32	37	10	80	3000	AK3-030C
8/20μs	30	10	32	37	10	90	10000	AK10-030C
8/20μs	30	10	32	37	10	90	15000	AK15-030C
8/20μs	30	10	32	37	10	90	6000	AK6-030C
8/20μs	42	10	47	51	10	105	10000	AK10-042C
8/20μs	42	10	47	51	10	105	15000	AK15-042C
8/20μs	42	10	47	51	10	105	3000	AK3-042C
8/20μs	42	10	47	51	10	105	6000	AK6-042C
8/20μs	58	10	64	70	10	110	10000	AK10-058C
8/20μs	58	10	64	70	10	110	15000	AK15-058C
8/20μs	58	10	64	70	10	110	3000	AK3-058C
8/20μs	58	10	64	70	10	110	6000	AK6-058C
8/20μs	66	10	72	80	10	120	10000	AK10-066C
8/20μs	66	10	72	80	10	120	15000	AK15-066C
8/20μs	66	10	72	80	10	120	3000	AK3-066C
8/20μs	66	10	72	80	10	120	6000	AK6-066C
8/20μs	76	10	85	95	10	140	1000	AK1-076C

PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial
								Uni-Directional
8/20μs	76	10	85	95	10	140	10000	AK10-076C
8/20μs	76	10	85	95	10	140	15000	AK15-076C
8/20μs	76	10	85	95	10	140	3000	AK3-076C
8/20μs	76	10	85	95	10	140	6000	AK6-076C
8/20μs	100	10	110	122	10	165	10000	AK10-100C
8/20μs	100	10	110	122	10	165	3000	AK3-100C
8/20μs	100	10	110	122	10	165	6000	AK6-100C
8/20μs	133	10	147	162	10	220	10000	AK10-133C
8/20μs	133	10	147	162	10	220	3000	AK3-133C
8/20μs	133	10	147	162	10	220	6000	AK6-133C
8/20μs	150	10	158	194	10	230	3000	AK3-150C
8/20μs	170	10	179	220	10	260	3000	AK3-170C
8/20μs	170	10	180	220	10	260	10000	AK10-170C
8/20μs	170	10	180	220	10	260	6000	AK6-170C
8/20μs	190	10	200	245	10	290	10000	AK10-190C
8/20μs	190	10	200	245	10	290	3000	AK3-190C
8/20μs	190	10	200	245	10	290	6000	AK6-190C
8/20μs	200	10	222	262	10	330	10000	AK10-200C
8/20μs	208	10	223	246	10	305	3000	AK3-208C
8/20μs	240	10	250	285	10	340	10000	AK10-240C
8/20μs	240	10	250	285	10	340	3000	AK3-240C
8/20μs	240	10	250	285	10	340	6000	AK6-240C
8/20μs	275	10	300	335	10	435	10000	AK10-275C
8/20μs	275	10	300	335	10	435	3000	AK3-275C
8/20μs	275	10	300	335	10	435	6000	AK6-275C
8/20μs	300	10	330	366	10	470	10000	AK10-300C
8/20μs	300	10	330	366	10	470	3000	AK3-300C
8/20μs	300	10	330	366	10	470	6000	AK6-300C
8/20μs	380	10	401	443	10	520	1000	AK1-380C
8/20μs	380	10	401	443	10	520	10000	AK10-380C
8/20μs	380	10	401	443	10	520	3000	AK3-380C
8/20μs	380	10	401	443	10	520	6000	AK6-380C
8/20μs	430	10	440	490	10	625	1000	AK1-430C
8/20μs	430	10	440	490	10	625	10000	AK10-430C
8/20μs	430	10	440	490	10	625	3000	AK3-430C
8/20μs	430	10	440	490	1	625	6000	AK6-430C

Transient Voltage Suppressors

Parameter	Range	Unit
P _{PP}	600	[W]
I _{PP}	0.75 - 58.1	[A]
V _R	5.8 - 512	[V]
V _{BR_Min}	6.45 - 570	[V]
I _T	1 - 10	[mA]

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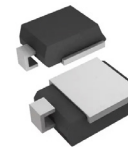
PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial	
								Uni-Directional	Bi-Directional
600	5.8	150	6.45	7.14	10	10.5	58.1	P6KE6.8A	P6KE6.8A
600	6.4	120	7.13	7.88	10	11.3	54	P6KE7.5A	P6KE7.5A
600	7.02	50	7.79	8.61	10	12.1	50.4	P6KE8.2A	P6KE8.2A
600	7.78	20	8.65	9.55	1	13.4	45.5	P6KE9.1A	P6KE9.1A
600	8.55	10	9.5	10.5	1	14.5	42.1	P6KE10A	P6KE10A
600	9.4	5	10.5	11.6	1	15.6	39.1	P6KE11A	P6KE11A
600	10.2	2	11.4	12.6	1	16.7	36.5	P6KE12A	P6KE12A
600	11.1	1	12.4	13.7	1	18.2	33.5	P6KE13A	P6KE13A
600	12.8	1	14.3	15.8	1	21.2	28.8	P6KE15A	P6KE15A
600	13.6	1	15.2	16.8	1	22.5	27.1	P6KE16A	P6KE16A
600	15.3	1	17.1	18.9	1	25.2	24.2	P6KE18A	P6KE18A
600	17.1	1	19	21	1	27.7	22	P6KE20A	P6KE20A
600	18.8	1	20.9	23.1	1	30.6	19.9	P6KE22A	P6KE22A
600	20.5	1	22.8	25.2	1	33.2	18.4	P6KE24A	P6KE24A
600	23.1	1	25.7	28.4	1	37.5	16.3	P6KE27A	P6KE27A
600	25.6	1	28.5	31.5	1	41.4	14.7	P6KE30A	P6KE30A
600	28.2	1	31.4	34.7	1	45.7	13.3	P6KE33A	P6KE33A
600	30.8	1	34.2	37.8	1	49.9	12.2	P6KE36A	P6KE36A
600	33.3	1	37.1	41	1	53.9	11.3	P6KE39A	P6KE39A
600	36.8	1	40.9	45.2	1	59.3	10.3	P6KE43A	P6KE43A
600	40.2	1	44.7	49.4	1	64.8	9.4	P6KE47A	P6KE47A
600	43.6	1	48.5	53.6	1	70.1	8.7	P6KE51A	P6KE51A
600	47.8	1	53.2	58.8	1	77	7.9	P6KE56A	P6KE56A
600	53	1	58.9	65.1	1	85	7.9	P6KE62A	P6KE62A
600	58.1	1	64.6	71.4	1	92	6.6	P6KE68A	P6KE68A
600	64.1	1	71.3	78.8	1	103	5.9	P6KE75A	P6KE75A
600	70.1	1	77.9	86.1	1	113	5.4	P6KE82A	P6KE82A
600	77.8	1	86.5	95.5	1	125	4.9	P6KE91A	P6KE91A
600	85.5	1	95	105	1	137	4.5	P6KE100A	P6KE100A
600	94	1	105	116	1	152	4	P6KE110A	P6KE110A
600	102	1	114	126	1	165	3.7	P6KE120A	P6KE120A
600	111	1	124	137	1	179	3.4	P6KE130A	P6KE130A
600	128	1	143	158	1	207	2.9	P6KE150A	P6KE150A
600	136	1	152	168	1	219	2.8	P6KE160A	P6KE160A
600	145	1	162	179	1	234	2.6	P6KE170A	P6KE170A
600	154	1	171	189	1	246	2.5	P6KE180A	P6KE180A
600	171	1	190	210	1	274	2.2	P6KE200A	P6KE200A
600	185	1	209	231	1	328	1.9	P6KE220A	P6KE220A
600	214	1	237	263	1	344	1.8	P6KE250A	P6KE250A
600	256	1	285	315	1	414	1.5	P6KE300A	P6KE300A

PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial	
								Uni-Directional	Bi-Directional
600	300	1	332	368	1	482	1.3	P6KE350A	P6KE350A
600	342	1	380	420	1	548	1.1	P6KE400A	P6KE400A
600	376	1	418	462	1	602	1	P6KE440A	P6KE440A
600	408	1	456	504	1	658	0.9	P6KE480A	P6KE480A
600	434	1	485	535	1	698	0.9	P6KE510A	P6KE510A
600	445	1	494	546	1	710	0.85	P6KE520A	P6KE520A
600	460	1	513	567	1	740	0.8	P6KE540A	P6KE540A
600	468	1	522.5	577.5	1	760	0.8	P6KE550A	P6KE550A
600	512	1	570	630	1	828	0.75	P6KE600A	P6KE600A

Transient Voltage Suppressors

Parameter	Range	Unit
P _{PP}	4600 - 15000	[W]
I _{PP}	79 - 300	[A]
V _R	15 - 51	[V]
V _{BR_Min}	16.7 - 52.04	[V]
I _T	5	[mA]

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PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial	
								Uni-Directional	Bi-Directional
4600	20	5	22.2	24.5	5	32.4	142	SM6S20A-AL	SM6S20A-AL
4600	22	5	24.4	26.9	5	35.5	130	SM6S22A-AL	SM6S22A-AL
4600	24	5	26.7	29.5	5	38.9	118	SM6S24A-AL	SM6S24A-AL
4600	26	5	28.9	31.9	5	42.1	109	SM6S26A-AL	SM6S26A-AL
4600	28	5	31.1	34.4	5	45.4	101	SM6S28A-AL	SM6S28A-AL
4600	30	5	33.3	36.8	5	48.4	95	SM6S30A-AL	SM6S30A-AL
4600	33	5	36.7	40.6	5	53.3	86	SM6S33A-AL	SM6S33A-AL
4600	36	5	40	44.2	5	58.1	79	SM6S36A-AL	SM6S36A-AL
6600	15	5	16.7	18.5	5	24.4	270	SM8S15A-AL	SM8S15CA-AL
6600	16	5	17.8	19.7	5	26	253	SM8S16A-AL	SM8S16CA-AL
6600	18	5	20	22.1	5	29.2	226	SM8S18A-AL	SM8S18CA-AL
6600	20	5	22.2	24.5	5	32.4	204	SM8S20A-AL	SM8S20CA-AL
6600	22	5	24.4	26.9	5	35.5	186	SM8S22A-AL	SM8S22CA-AL
6600	24	5	26.7	29.5	5	38.9	170	SM8S24A-AL	SM8S24CA-AL
6600	26	5	28.9	31.9	5	42.1	157	SM8S26A-AL	SM8S26CA-AL
6600	28	5	31.1	34.4	5	45.4	145	SM8S28A-AL	SM8S28CA-AL
6600	30	5	33.3	36.8	5	48.4	136	SM8S30A-AL	SM8S30CA-AL
6600	32	5	35.5	39.4	5	51.4	128.5	SM8S32A-AL	SM8S32CA-AL
6600	33	5	36.7	40.6	5	53.3	124	SM8S33A-AL	SM8S33CA-AL
6600	36	5	40	44.2	5	58.1	114	SM8S36A-AL	SM8S36CA-AL
6600	40	5	44.4	49.1	5	64.5	102	SM8S40A-AL	SM8S40A-AL
6600	43	5	47.8	52.8	5	69.4	95.1	SM8S43A-AL	SM8S43A-AL
7700	24	5	26.7	29.5	5	28.06	200	SM8S24CAP-AL	SM8S24CAP-AL
8000	20	5	22.2	24.5	5	32.4	247	SM8T20A-AL	SM8T24A-AL
8000	22	5	24.4	26.9	5	35.5	225	SM8T22A-AL	SM8T26A-AL
8000	24	5	26.7	29.5	5	38.9	205	SM8T24A-AL	SM8T28A-AL
8000	26	5	28.9	31.9	5	42.1	190	SM8T26A-AL	SM8T30A-AL
8000	28	5	31.1	34.4	5	45.4	176	SM8T28A-AL	SM8T32A-AL
8000	30	5	33.3	36.8	5	48.4	165	SM8T30A-AL	SM8T33A-AL
8000	32	5	35.5	39.4	5	51.4	156	SM8T32A-AL	SM8T36A-AL
8000	33	5	36.7	40.6	5	53.3	150	SM8T33A-AL	SM8T33CA-AL
8000	36	5	40	44.2	5	58.1	138	SM8T36A-AL	SM8T36CA-AL
8000	40	5	44.4	49.1	5	64.5	124	SM8T40A-AL	15KP36A-DB
8000	43	5	47.8	52.8	5	69.4	115	SM8T43A-AL	15KP51A-DB
11000	24	5	26.7	29.5	5	27.96	300	SM8T24CAP-AL	SM8T24CAP-AL
15000	36	5	36.69	44.2	5	55	272.7	15KP36A-DB	15KP36CA-DB
15000	36	10	36.69	44.2	5	55	272.7	15KP36A-DB	15KP36CA-DB
15000	51	5	52.04	62.7	5	76.3	182.1	15KP51A-DB	15KP51CA-DB
15000	51	10	52.04	62.7	5	76.3	182.1	15KP51A-DB	15KP51CA-DB

Parameter	Range	Unit
P _{PP}	1500	[W]
I _{PP}	1.8 - 91	[A]
V _R	10.2 - 512	[V]
V _{BR_Min}	11.4 - 570	[V]
I _T	1	[mA]



PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial	
								Uni-Directional	Bi-Directional
1500	10.2	2	11.4	12.6	1	16.7	91	1.5KE12A	1.5KE12CA
1500	11.1	1	12.4	13.7	1	18.2	83.5	1.5KE13A	1.5KE13CA
1500	12.8	1	14.3	15.8	1	21.2	71.7	1.5KE15A	1.5KE15CA
1500	13.6	1	15.2	16.8	1	22.5	67.6	1.5KE16A	1.5KE16CA
1500	15.3	1	17.1	18.9	1	25.2	60.3	1.5KE18A	1.5KE18CA
1500	17.1	1	19	21	1	27.7	54.9	1.5KE20A	1.5KE20CA
1500	18.8	1	20.9	23.1	1	30.6	49.7	1.5KE22A	1.5KE22CA
1500	20.5	1	22.8	25.2	1	33.2	45.8	1.5KE24A	1.5KE24CA
1500	23.1	1	25.7	28.4	1	37.5	40.5	1.5KE27A	1.5KE27CA
1500	25.6	1	28.5	31.5	1	41.4	36.7	1.5KE30A	1.5KE30CA
1500	28.2	1	31.4	34.7	1	45.7	33.3	1.5KE33A	1.5KE33CA
1500	30.8	1	34.2	37.8	1	49.9	30.5	1.5KE36A	1.5KE36CA
1500	33.3	1	37.1	41	1	53.9	28.2	1.5KE39A	1.5KE39CA
1500	36.8	1	40.9	45.2	1	59.3	25.6	1.5KE43A	1.5KE43CA
1500	40.2	1	44.7	49.4	1	64.8	23.5	1.5KE47A	1.5KE47CA
1500	43.6	1	48.5	53.6	1	70.1	21.7	1.5KE51A	1.5KE51CA
1500	47.8	1	53.2	58.8	1	77	19.7	1.5KE56A	1.5KE56CA
1500	53	1	58.9	65.1	1	85	17.9	1.5KE62A	1.5KE62CA
1500	58.1	1	64.6	71.4	1	92	16.5	1.5KE68A	1.5KE68CA
1500	64.1	1	71.3	78.8	1	103	14.8	1.5KE75A	1.5KE75CA
1500	70.1	1	77.9	86.1	1	113	13.5	1.5KE82A	1.5KE82CA
1500	77.8	1	86.5	95.5	1	125	12.2	1.5KE91A	1.5KE91CA
1500	85.5	1	95	105	1	137	11.1	1.5KE100A	1.5KE100CA
1500	94	1	105	116	1	152	10	1.5KE110A	1.5KE110CA
1500	102	1	114	126	1	165	9.2	1.5KE120A	1.5KE120CA
1500	111	1	124	137	1	179	8.5	1.5KE130A	1.5KE130CA
1500	128	1	143	158	1	207	7.3	1.5KE150A	1.5KE150CA
1500	136	1	152	168	1	219	6.9	1.5KE160A	1.5KE160CA
1500	145	1	162	179	1	234	6.5	1.5KE170A	1.5KE170CA
1500	154	1	171	189	1	246	6.2	1.5KE180A	1.5KE180CA
1500	171	1	190	210	1	274	5.5	1.5KE200A	1.5KE200CA
1500	185	1	209	231	1	328	4.6	1.5KE220A	1.5KE220CA
1500	214	1	237	263	1	344	4.4	1.5KE250A	1.5KE250CA
1500	256	1	285	315	1	414	3.7	1.5KE300A	1.5KE300CA
1500	300	1	332	368	1	482	3.2	1.5KE350A	1.5KE350CA
1500	342	1	380	420	1	548	2.8	1.5KE400A	1.5KE400CA
1500	376	1	418	462	1	602	2.5	1.5KE440A	1.5KE440CA
1500	408	1	456	504	1	658	2.3	1.5KE480A	1.5KE480CA
1500	434	1	485	535	1	698	2.1	1.5KE510A	1.5KE510CA
1500	460	1	513	567	1	740	2	1.5KE550A	1.5KE550CA
1500	512	1	570	630	1	828	1.8	1.5KE600A	1.5KE600CA

Parameter	Range	Unit
P _{PP}	400	[W]
I _{PP}	1.2 - 39	[A]
V _R	5.8 - 214	[V]
V _{BR_Min}	6.45 - 237	[V]
I _T	1 - 10	[mA]



PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial	
								Uni-Directional	Bi-Directional
400	5.8	150	6.45	7.14	10	10.5	39	P4KE6.8A	P4KE6.8CA
400	6.4	100	7.13	7.88	10	11.3	36.3	P4KE7.5A	P4KE7.5CA
400	7.02	50	7.79	8.61	10	12.1	33.9	P4KE8.2A	P4KE8.2CA
400	7.78	20	8.65	9.55	1	13.4	30.6	P4KE9.1A	P4KE9.1CA
400	8.55	10	9.5	10.5	1	14.5	28.3	P4KE10A	P4KE10CA
400	9.4	5	10.5	11.6	1	15.6	26.3	P4KE11A	P4KE11CA
400	11.1	1	12.4	13.7	1	18.2	22.5	P4KE13A	P4KE13CA
400	12.8	1	14.3	15.8	1	21.2	19.3	P4KE15A	P4KE15CA
400	13.6	1	15.2	16.8	1	22.5	18.2	P4KE16A	P4KE16CA
400	15.3	1	17.1	18.9	1	25.2	16.1	P4KE18A	P4KE18CA
400	17.1	1	19	21	1	27.7	14.8	P4KE20A	P4KE20CA
400	18.8	1	20.9	23.1	1	30.6	13.4	P4KE22A	P4KE22CA
400	20.5	1	22.8	25.2	1	33.2	12.3	P4KE24A	P4KE24CA
400	23.1	1	25.7	28.4	1	37.5	10.9	P4KE27A	P4KE27CA
400	25.6	1	28.5	31.5	1	41.4	9.9	P4KE30A	P4KE30CA
400	28.2	1	31.4	34.7	1	45.7	9	P4KE33A	P4KE33CA
400	30.8	1	34.2	37.8	1	49.9	8.2	P4KE36A	P4KE36CA
400	33.3	1	37.1	41	1	53.9	7.6	P4KE39A	P4KE39CA
400	36.8	1	40.9	45.2	1	59.3	6.9	P4KE43A	P4KE43CA
400	40.2	1	44.7	49.4	1	64.8	6.3	P4KE47A	P4KE47CA
400	43.6	1	48.5	53.6	1	70.1	5.8	P4KE51A	P4KE51CA
400	47.8	1	53.2	58.8	1	77	5.3	P4KE56A	P4KE56CA
400	53	1	58.9	65.1	1	85	4.8	P4KE62A	P4KE62CA
400	58.1	1	64.6	71.4	1	92	4.5	P4KE68A	P4KE68CA
400	64.1	1	71.3	78.8	1	103	4	P4KE75A	P4KE75CA
400	70.1	1	77.9	86.1	1	113	3.6	P4KE82A	P4KE82CA
400	77.8	1	86.5	95.5	1	125	3.3	P4KE91A	P4KE91CA
400	85.5	1	95	105	1	137	3	P4KE100A	P4KE100CA
400	94	1	105	116	1	152	2.7	P4KE110A	P4KE110CA
400	102	1	114	126	1	165	2.5	P4KE120A	P4KE120CA
400	111	1	124	137	1	179	2.3	P4KE130A	P4KE130CA
400	128	1	143	158	1	207	2	P4KE150A	P4KE150CA
400	136	1	152	168	1	219	1.9	P4KE160A	P4KE160CA
400	145	1	162	179	1	234	1.8	P4KE170A	P4KE170CA
400	154	1	171	189	1	246	1.7	P4KE180A	P4KE180CA
400	171	1	190	210	1	274	1.5	P4KE200A	
400	185	1	209	231	1	328	1.3	P4KE220A	
400	214	1	237	263	1	344	1.2	P4KE250A	

Parameter	Range	Unit
P _{PP}	400 - 30000	[W]
I _{PP}	12 - 606	[A]
V _R	7 - 400	[V]
V _{BR_Min}	7.78 - 447	[V]
I _T	5 - 50	[mA]



PPP (W)	VR (V)	IR_Max (µA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
12000	24	10	26.7	29.5	5	60	1.2/50µs-2Ω	JRC-S24A			
12000	20	15	22.2	24.5	5	34.3	349.9	JRC20A	JRC20CA	JRC-T20A	JRC-T20CA
12000	22	10	24.4	26.9	5	37.1	323.5	JRC22A	JRC22CA	JRC-T22A	JRC-T22CA
12000	24	5	26.7	29.5	5	40.7	294.9	JRC24A	JRC24CA	JRC-T24A	JRC-T24CA
12000	26	5	28.9	31.9	5	44	272.8	JRC26A	JRC26CA	JRC-T26A	JRC-T26CA
12000	28	5	31.1	34.4	5	47.5	252.7	JRC28A	JRC28CA	JRC-T28A	JRC-T28CA
12000	30	5	33.3	36.8	5	50.7	236.7	JRC30A	JRC30CA	JRC-T30A	JRC-T30CA
12000	33	5	36.7	40.6	5	54.7	219.4	JRC33A	JRC33CA	JRC-T33A	JRC-T33CA
12000	36	5	40	44.2	5	59.8	200.7	JRC36A	JRC36CA	JRC-T36A	JRC-T36CA
12000	40	5	44.4	49.1	5	65.8	182.4	JRC40A	JRC40CA	JRC-T40A	JRC-T40CA
12000	43	5	47.8	52.8	5	69.8	171.9	JRC43A	JRC43CA	JRC-T43A	JRC-T43CA
12000	48	5	53.6	58.7	5	77.7	154.5			JRC-T48A	JRC-T48CA
12000	58	5	64.4	71.2	5	93.6	128.2			JRC-T58A	JRC-T58CA
15000	64	5	71.1	78.6	5	103	116.5			JRC-T64A	JRC-T64CA
15000	72	5	80	88.5	5	116	103.4			JRC-T72A	JRC-T72CA
15000	17	5000	18.9	20.9	50	29.3	515.4	15KP17A	15KP17CA		
15000	18	5000	20	22.1	50	30.9	488.7	15KP18A	15KP18CA		
15000	20	1500	22.2	24.5	20	34.3	440.2	15KP20A	15KP20CA		
15000	22	500	24.4	26.9	10	37.1	407	15KP22A	15KP22CA		
15000	24	150	26.7	29.5	5	40.7	371	15KP24A	15KP24CA		
15000	26	50	28.9	31.9	5	44	343.2	15KP26A	15KP26CA		
15000	28	25	31.1	34.4	5	47.5	317.9	15KP28A	15KP28CA		
15000	30	15	33.3	36.8	5	50.7	297.8	15KP30A	15KP30CA		
15000	33	2	36.7	40.6	5	54.7	276.1	15KP33A	15KP33CA		
15000	36	2	40	44.2	5	59.8	252.5	15KP36A	15KP36CA		
15000	40	2	44.4	49.1	5	65.8	229.5	15KP40A	15KP40CA		
15000	43	2	47.8	52.8	5	69.8	216.3	15KP43A	15KP43CA		
15000	45	2	50	55.3	5	72.8	207.4	15KP45A	15KP45CA		
15000	48	2	53.3	58.9	5	77.7	194.3	15KP48A	15KP48CA		
15000	51	2	56.7	62.7	5	82.9	182.1	15KP51A	15KP51CA		
15000	54	2	60	66.3	5	87.7	172.2	15KP54A	15KP54CA		
15000	58	2	64.4	71.2	5	93.8	161	15KP58A	15KP58CA		
15000	60	2	66.7	73.7	5	97.4	155	15KP60A	15KP60CA		
15000	64	2	71.1	78.6	5	104.2	144.9	15KP64A	15KP64CA		
15000	70	2	77.8	86	5	113.6	132.9	15KP70A	15KP70CA		
15000	75	2	83.3	92.1	5	122	123.8	15KP75A	15KP75CA		
15000	78	2	86.7	95.8	5	126.1	119.7	15KP78A	15KP78CA		
15000	85	2	94.4	104	5	137.6	109.7	15KP85A	15KP85CA		
15000	90	2	100	111	5	145.6	103.7	15KP90A	15KP90CA		
15000	100	2	111	123	5	161.3	93.6	15KP100A	15KP100CA		

PPP (W)	VR (V)	IR_Max (µA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial	
								Uni-Directional	Bi-Directional
15000	110	2	122	135	5	178.6	84.5	15KP110A	15KP110CA
15000	120	2	133	147	5	192.3	78.5	15KP120A	15KP120CA
15000	130	2	144	159	5	208.3	72.5	15KP130A	15KP130CA
15000	150	2	167	185	5	241.9	62.4	15KP150A	15KP150CA
15000	160	2	178	197	5	258.6	58.4	15KP160A	15KP160CA
15000	170	2	189	209	5	272.7	55.4	15KP170A	15KP170CA
15000	180	2	201	222	5	288.5	52.3	15KP180A	15KP180CA
15000	200	2	224	247	5	319.1	47.3	15KP200A	15KP200CA
15000	220	2	246	272	5	352.5	42.8	15KP220A	15KP220CA
15000	240	2	268	292	5	384.6	39.3	15KP240A	15KP240CA
20000	260	2	289	317	5	416.7	36.2	15KP260A	15KP260CA
20000	280	2	311	341	5	454.5	33.2	15KP280A	15KP280CA
20000	28	1000	31.28	34.92	50	48	420.8	20KP28A	20KP28CA
20000	30	250	33.51	37.41	5	51.5	392.2	20KP30A	20KP30CA
20000	33	50	36.7	41.42	5	53.3	375.2	20KP33A	20KP33CA
20000	36	20	40.2	44.88	5	61.5	328.5	20KP36A	20KP36CA
20000	40	15	44.4	49.1	5	67.8	297.9	20KP40A	20KP40CA
20000	44	2	49.1	52.8	5	72.7	277.9	20KP44A	20KP44CA
20000	48	2	53.3	58.9	5	79.4	254.4	20KP48A	20KP48CA
20000	52	2	58.1	62.4	5	85.8	235.4	20KP52A	20KP52CA
20000	56	2	62.6	67.2	5	92.6	218.1	20KP56A	20KP56CA
20000	60	2	66.7	73.7	5	97.6	207	20KP60A	20KP60CA
20000	64	2	71.1	78.6	5	104	194.2	20KP64A	20KP64CA
20000	68	2	76	81.6	5	110	183.6	20KP68A	20KP68CA
20000	72	2	80.4	86.4	5	116	174.1	20KP72A	20KP72CA
20000	80	2	89.4	96	5	130	155.4	20KP80A	20KP80CA
20000	88	2	98.3	105.6	5	142	142.3	20KP88A	20KP88CA
20000	96	2	107.2	115.2	5	155	130.3	20KP96A	20KP96CA
20000	104	2	116.2	124.8	5	168	120.2	20KP104A	20KP104CA
20000	112	2	125.1	134.4	5	182	111	20KP112A	20KP112CA
20000	120	2	134	144	5	194	104.1	20KP120A	20KP120CA
20000	132	2	147.4	158.4	5	213	94.8	20KP132A	20KP132CA
20000	144	2	160.8	172.8	5	232	87.1	20KP144A	20KP144CA
20000	160	2	178.7	185	5	258	78.3	20KP160A	20KP160CA
20000	172	2	192.1	206.4	5	277	72.9	20KP172A	20KP172CA
20000	180	2	201.1	216	5	291	69.4	20KP180A	20KP180CA
20000	192	2	214.5	230.4	5	309	65.4	20KP192A	20KP192CA
20000	204	2	227.9	244.8	5	329	61.4	20KP204A	20KP204CA
20000	216	2	241.3	259.2	5	348	58	20KP216A	20KP216CA
20000	232	2	259.1	278.4	5	374	54	20KP232A	20KP232CA
20000	240	2	268.1	288	5	387	52.2	20KP240A	20KP240CA
20000	256	2	286	307.2	5	412	49	20KP256A	20KP256CA
30000	280	2	312.8	336	5	451	44.8	20KP280A	20KP280CA
30000	300	2	335.1	360	5	483	41.8	20KP300A	20KP300CA
30000	28	5000	31.28	34.41	50	50	606	30KP28A	30KP28CA
30000	30	5000	33.51	36.86	50	55.2	548.9	30KP30A	30KP30CA
30000	33	5000	36.9	40.59	50	58.5	517.9	30KP33A	30KP33CA
30000	36	5000	40.2	44.22	50	61.8	490.3	30KP36A	30KP36CA
30000	39	2000	43.6	47.96	20	67.2	450.9	30KP39A	30KP39CA
30000	42	1000	46.9	51.59	10	72	420.8	30KP42A	30KP42CA
30000	43	1000	48	52.8	10	73	415.1	30KP43A	30KP43CA
30000	45	250	50.3	55.33	5	77.4	391.5	30KP45A	30KP45CA
30000	48	150	53.6	58.96	5	81.6	371.3	30KP48A	30KP48CA
30000	51	50	57	62.7	5	86.4	350.7	30KP51A	30KP51CA
30000	54	20	60.3	66.33	5	91.4	331.5	30KP54A	30KP54CA
30000	58	20	64.8	71.28	5	92.4	327.9	30KP58A	30KP58CA
30000	60	15	67	73.7	5	102	297.1	30KP60A	30KP60CA

PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial	
								Uni-Directional	Bi-Directional
30000	64	10	71.5	78.65	5	104	291.3	30KP64A	30KP64CA
30000	66	2	73.7	81.07	5	107	283.2	30KP66A	30KP66CA
30000	70	2	78.2	86.02	5	109	278	30KP70A	30KP70CA
30000	71	2	79.3	87.23	5	111.5	271.7	30KP71A	30KP71CA
30000	72	2	80.4	88.44	5	114	265.8	30KP72A	30KP72CA
30000	75	2	83.8	92.18	5	119.4	253.8	30KP75A	30KP75CA
30000	78	2	87.1	95.81	5	129	234.9	30KP78A	30KP78CA
30000	84	2	93.8	103.18	5	139.2	217.7	30KP84A	30KP84CA
30000	90	2	100.5	110.55	5	146.4	207	30KP90A	30KP90CA
30000	96	2	107.2	117.92	5	156	194.2	30KP96A	30KP96CA
30000	102	2	113.9	125.29	5	165.6	183	30KP102A	30KP102CA
30000	108	2	120.6	132.66	5	175.2	172.9	30KP108A	30KP108CA
30000	120	2	134	147.4	5	194.4	155.9	30KP120A	30KP120CA
30000	132	2	147.4	162.14	5	213	142.3	30KP132A	30KP132CA
30000	144	2	160.8	176.88	5	223.2	135.8	30KP144A	30KP144CA
30000	150	2	167.6	184.36	5	233.4	129.8	30KP150A	30KP150CA
30000	156	2	174.3	191.73	5	245	123.7	30KP156A	30KP156CA
30000	160	2	178.7	196.57	5	252.6	120	30KP160A	30KP160CA
30000	168	2	187.7	206.47	5	272.4	111.2	30KP168A	30KP168CA
30000	170	2	189.9	208.89	5	275	110.2	30KP170A	30KP170CA
30000	180	2	201.1	221.21	5	290.4	104.3	30KP180A	30KP180CA
30000	198	2	221.2	243.32	5	319.8	94.7	30KP198A	30KP198CA
30000	216	2	241.3	265.43	5	348.6	86.9	30KP216A	30KP216CA
30000	240	2	268.1	294.91	5	387	78.3	30KP240A	30KP240CA
30000	258	2	288.2	317.02	5	414.4	72.8	30KP258A	30KP258CA
30000	260	2	290.4	319.44	5	416	72.5	30KP260A	30KP260CA
30000	270	2	301.6	331.76	5	436.2	69.5	30KP270A	30KP270CA
30000	280	2	312.8	344.08	5	464	65.3	30KP280A	30KP280CA
30000	288	2	321.7	353.87	5	469.9	64.5	30KP288A	30KP288CA
5000	300	2	334	367.4	5	484	62	30KP300A	30KP300CA
5000	400	2	447	494	5	648	46.3	30KP400A	30KP400CA
5000	7	1000	7.78	8.6	50	12	417	5KP7.0A	5KP7.0CA
5000	7.5	250	8.33	9.21	5	12.9	388	5KP7.5A	5KP7.5CA
5000	8	150	8.89	9.83	5	13.6	367	5KP8.0A	5KP8.0CA
5000	8.5	50	9.44	10.4	5	14.4	347	5KP8.5A	5KP8.5CA
5000	9	20	10	11.1	5	15.4	325	5KP9.0A	5KP9.0CA
5000	10	15	11.1	12.3	5	17	294	5KP10A	5KP10CA
5000	11	5	12.2	13.5	5	18.2	275	5KP11A	5KP11CA
5000	12	2	13.3	14.7	5	19.9	252	5KP12A	5KP12CA
5000	13	2	14.4	15.9	5	21.5	233	5KP13A	5KP13CA
5000	14	1	15.6	17.2	5	23.2	216	5KP14A	5KP14CA
5000	15	1	16.7	18.5	5	24.4	205	5KP15A	5KP15CA
5000	16	1	17.8	19.7	5	26	193	5KP16A	5KP16CA
5000	17	1	18.9	20.9	5	27.6	181	5KP17A	5KP17CA
5000	18	1	20	22.1	5	29.2	172	5KP18A	5KP18CA
5000	20	1	22.2	24.5	5	32.4	155	5KP20A	5KP20CA
5000	22	1	24.4	26.9	5	35.5	141	5KP22A	5KP22CA
5000	24	1	26.7	29.5	5	38.9	129	5KP24A	5KP24CA
5000	26	1	28.9	31.9	5	42.1	119	5KP26A	5KP26CA
5000	28	1	31.1	34.4	5	45.4	110	5KP28A	5KP28CA
5000	30	1	33.3	36.8	5	48.4	103	5KP30A	5KP30CA
5000	33	1	36.7	40.6	5	53.3	93.9	5KP33A	5KP33CA
5000	36	1	40	44.2	5	58.1	86.1	5KP36A	5KP36CA
5000	40	1	44.4	49.1	5	64.5	77.6	5KP40A	5KP40CA
5000	43	1	47.8	52.8	5	69.4	72.1	5KP43A	5KP43CA
5000	45	1	50	55.3	5	72.7	68.8	5KP45A	5KP45CA
5000	48	1	53.3	58.9	5	77.4	64.7	5KP48A	5KP48CA

PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial	
								Uni-Directional	Bi-Directional
5000	51	1	56.7	62.7	5	82.4	60.7	5KP51A	5KP51CA
5000	54	1	60	66.3	5	87.1	57.5	5KP54A	5KP54CA
5000	58	1	64.4	71.2	5	93.6	53.5	5KP58A	5KP58CA
5000	60	1	66.7	73.7	5	96.8	51.7	5KP60A	5KP60CA
5000	64	1	71.1	78.6	5	103	48.6	5KP64A	5KP64CA
5000	70	1	77.8	86	5	113	44.3	5KP70A	5KP70CA
5000	75	1	83.3	92.1	5	121	41.4	5KP75A	5KP75CA
5000	78	1	86.7	95.8	5	126	39.7	5KP78A	5KP78CA
5000	85	1	94.4	104	5	137	36.5	5KP85A	5KP85CA
5000	90	1	100	111	5	146	34.3	5KP90A	5KP90CA
5000	100	1	111	123	5	162	30.9	5KP100A	5KP100CA
5000	110	1	122	135	5	177	28.3	5KP110A	5KP110CA
5000	120	1	133	147	5	193	26	5KP120A	5KP120CA
5000	130	1	144	159	5	209	24	5KP130A	5KP130CA
5000	150	1	167	185	5	243	20.6	5KP150A	5KP150CA
5000	160	1	178	197	5	259	19.3	5KP160A	5KP160CA
5000	170	1	189	209	5	275	18.2	5KP170A	5KP170CA
5000	180	1	201	222	5	292	17.5	5KP180A	5KP180CA
5000	190	1	211	233	5	310	16.5	5KP190A	5KP190CA
5000	200	1	224	247	5	329.2	15.5	5KP200A	5KP200CA
5000	210	1	237	263	5	349.5	14.6	5KP210A	5KP210CA
6000	220	1	246	272	5	371.1	13.7	5KP220A	5KP220CA
6000	250	1	277	306	5	425	12	5KP250A	5KP250CA
6000	20	5	22.2	24.5	5	32.4	185.2	JRB20A	JRB20CA
6000	22	5	24.4	26.9	5	35.5	169	JRB22A	JRB22CA
6000	24	5	26.7	29.5	5	38.9	154.2	JRB24A	JRB24CA
6000	26	5	28.9	31.9	5	42.1	142.5	JRB26A	JRB26CA
6000	28	5	31.1	34.4	5	45.4	132.2	JRB28A	JRB28CA
6000	30	5	33.3	36.8	5	48.4	124	JRB30A	JRB30CA
6000	33	5	36.7	40.6	5	53.3	112.6	JRB33A	JRB33CA
6000	36	5	40	44.2	5	58.1	103.3	JRB36A	JRB36CA
6600	40	5	44.4	49.1	5	64.5	93	JRB40A	JRB40CA
30000	280	2	312.8	344.08	5	464	65.3	30KP280A	30KP280CA
30000	288	2	321.7	353.87	5	469.9	64.5	30KP288A	30KP288CA
5000	300	2	334	367.4	5	484	62	30KP300A	30KP300CA
5000	400	2	447	494	5	648	46.3	30KP400A	30KP400CA
5000	7	1000	7.78	8.6	50	12	417	5KP7.0A	5KP7.0CA
5000	7.5	250	8.33	9.21	5	12.9	388	5KP7.5A	5KP7.5CA
5000	8	150	8.89	9.83	5	13.6	367	5KP8.0A	5KP8.0CA
5000	8.5	50	9.44	10.4	5	14.4	347	5KP8.5A	5KP8.5CA
5000	9	20	10	11.1	5	15.4	325	5KP9.0A	5KP9.0CA
5000	10	15	11.1	12.3	5	17	294	5KP10A	5KP10CA
5000	11	5	12.2	13.5	5	18.2	275	5KP11A	5KP11CA
5000	12	2	13.3	14.7	5	19.9	252	5KP12A	5KP12CA
5000	13	2	14.4	15.9	5	21.5	233	5KP13A	5KP13CA
5000	14	1	15.6	17.2	5	23.2	216	5KP14A	5KP14CA
5000	15	1	16.7	18.5	5	24.4	205	5KP15A	5KP15CA
5000	16	1	17.8	19.7	5	26	193	5KP16A	5KP16CA
5000	17	1	18.9	20.9	5	27.6	181	5KP17A	5KP17CA
5000	18	1	20	22.1	5	29.2	172	5KP18A	5KP18CA
5000	20	1	22.2	24.5	5	32.4	155	5KP20A	5KP20CA
5000	22	1	24.4	26.9	5	35.5	141	5KP22A	5KP22CA
5000	24	1	26.7	29.5	5	38.9	129	5KP24A	5KP24CA
5000	26	1	28.9	31.9	5	42.1	119	5KP26A	5KP26CA
5000	28	1	31.1	34.4	5	45.4	110	5KP28A	5KP28CA
5000	30	1	33.3	36.8	5	48.4	103	5KP30A	5KP30CA
5000	33	1	36.7	40.6	5	53.3	93.9	5KP33A	5KP33CA

PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial	
								Uni-Directional	Bi-Directional
5000	36	1	40	44.2	5	58.1	86.1	5KP36A	5KP36CA
5000	40	1	44.4	49.1	5	64.5	77.6	5KP40A	5KP40CA
5000	43	1	47.8	52.8	5	69.4	72.1	5KP43A	5KP43CA
5000	45	1	50	55.3	5	72.7	68.8	5KP45A	5KP45CA
5000	48	1	53.3	58.9	5	77.4	64.7	5KP48A	5KP48CA
5000	51	1	56.7	62.7	5	82.4	60.7	5KP51A	5KP51CA
5000	54	1	60	66.3	5	87.1	57.5	5KP54A	5KP54CA
5000	58	1	64.4	71.2	5	93.6	53.5	5KP58A	5KP58CA
5000	60	1	66.7	73.7	5	96.8	51.7	5KP60A	5KP60CA
5000	64	1	71.1	78.6	5	103	48.6	5KP64A	5KP64CA
5000	70	1	77.8	86	5	113	44.3	5KP70A	5KP70CA
5000	75	1	83.3	92.1	5	121	41.4	5KP75A	5KP75CA
5000	78	1	86.7	95.8	5	126	39.7	5KP78A	5KP78CA
5000	85	1	94.4	104	5	137	36.5	5KP85A	5KP85CA
5000	90	1	100	111	5	146	34.3	5KP90A	5KP90CA
5000	100	1	111	123	5	162	30.9	5KP100A	5KP100CA
5000	110	1	122	135	5	177	28.3	5KP110A	5KP110CA
5000	120	1	133	147	5	193	26	5KP120A	5KP120CA
5000	130	1	144	159	5	209	24	5KP130A	5KP130CA
5000	150	1	167	185	5	243	20.6	5KP150A	5KP150CA
5000	160	1	178	197	5	259	19.3	5KP160A	5KP160CA
5000	170	1	189	209	5	275	18.2	5KP170A	5KP170CA
5000	180	1	201	222	5	292	17.5	5KP180A	5KP180CA
5000	190	1	211	233	5	310	16.5	5KP190A	5KP190CA
5000	200	1	224	247	5	329.2	15.5	5KP200A	5KP200CA
5000	210	1	237	263	5	349.5	14.6	5KP210A	5KP210CA
6000	220	1	246	272	5	371.1	13.7	5KP220A	5KP220CA
6000	250	1	277	306	5	425	12	5KP250A	5KP250CA
6000	20	5	22.2	24.5	5	32.4	185.2	JRB20A	JRB20CA
6000	22	5	24.4	26.9	5	35.5	169	JRB22A	JRB22CA
6000	24	5	26.7	29.5	5	38.9	154.2	JRB24A	JRB24CA
6000	26	5	28.9	31.9	5	42.1	142.5	JRB26A	JRB26CA
6000	28	5	31.1	34.4	5	45.4	132.2	JRB28A	JRB28CA
6000	30	5	33.3	36.8	5	48.4	124	JRB30A	JRB30CA
6000	33	5	36.7	40.6	5	53.3	112.6	JRB33A	JRB33CA
6000	36	5	40	44.2	5	58.1	103.3	JRB36A	JRB36CA
6600	40	5	44.44	49.1	5	64.5	93	JRB40A	JRB40CA
6600	43	5	47.8	52.8	5	69.4	86.5	JRB43A	JRB43CA
6600	15	5	16.7	18.5	5	24.4	270.5	JRB-T15A	JRB-T15CA
6600	16	5	17.8	19.7	5	26	253.8	JRB-T16A	JRB-T16CA
6600	18	5	20	22.1	5	29.2	226	JRB-T18A	JRB-T18CA
6600	20	5	22.2	24.5	5	32.4	203.7	JRB-T20A	JRB-T20CA
6600	22	5	24.4	26.9	5	35.5	186	JRB-T22A	JRB-T22CA
6600	24	5	26.7	29.5	5	38.9	169.7	JRB-T24A	JRB-T24CA
6600	26	5	28.9	31.9	5	42.1	156.8	JRB-T26A	JRB-T26CA
6600	28	5	31.1	34.4	5	45.4	145.4	JRB-T28A	JRB-T28CA
6600	30	5	33.3	36.8	5	48.4	136.4	JRB-T30A	JRB-T30CA
6600	33	5	36.7	40.6	5	53.3	123.8	JRB-T33A	JRB-T33CA
6600	36	5	40	44.2	5	58.1	113.6	JRB-T36A	JRB-T36CA
400	40	5	44.4	49.1	5	64.5	102.3	JRB-T40A	JRB-T40CA
400	43	5	47.8	52.8	5	69.4	95.1	JRB-T43A	JRB-T43CA

M

Transient Voltage Suppressors

Parameter	Range	Unit
P _{PP}	400 - 1000	[W]
I _{PP}	0.6 - 500	[A]
V _R	3.3 -440	[V]
V _{BR_Min}	4.1 - 492	[V]
I _T	1 - 10	[mA]

SMA

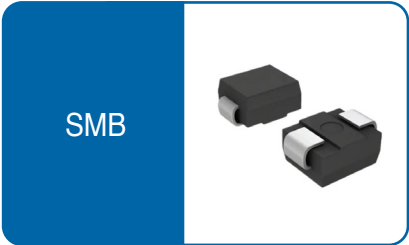


PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
400	3.3	100	4.1	-	1	7.3	50	SMAJ3.3A			
400	5	120	6.4	7	10	9.2	43.5	SMAJ5.0A	SMAJ5.0CA		
400	6	120	6.67	7.37	10	10.3	38.8	SMAJ6.0A	SMAJ6.0CA		
400	6.5	80	7.22	7.98	10	11.2	35.7	SMAJ6.5A	SMAJ6.5CA		
400	7	50	7.78	8.6	10	12	33.3	SMAJ7.0A	SMAJ7.0CA		
400	7.5	50	8.33	9.21	1	12.9	31	SMAJ7.5A	SMAJ7.5CA		
400	8	20	8.89	9.83	1	13.6	29.4	SMAJ8.0A	SMAJ8.0CA		
400	8.5	10	9.44	10.4	1	14.4	27.8	SMAJ8.5A	SMAJ8.5CA		
400	9	5	10	11.1	1	15.4	26	SMAJ9.0A	SMAJ9.0CA		
400	10	2	11.1	12.3	1	17	23.5	SMAJ10A	SMAJ10CA	SMAJ10A-AU	SMAJ10CA-AU
400	11	1	12.2	13.5	1	18.2	22	SMAJ11A	SMAJ11CA	SMAJ11A-AU	SMAJ11CA-AU
400	12	1	13.3	14.7	1	19.9	20.1	SMAJ12A	SMAJ12CA	SMAJ12A-AU	SMAJ12CA-AU
400	13	1	14.4	15.9	1	21.5	18.6	SMAJ13A	SMAJ13CA	SMAJ13A-AU	SMAJ13CA-AU
400	14	1	15.6	17.2	1	23.2	17.3	SMAJ14A	SMAJ14CA	SMAJ14A-AU	SMAJ14CA-AU
400	15	1	16.7	18.5	1	24.4	16.4	SMAJ15A	SMAJ15CA	SMAJ15A-AU	SMAJ15CA-AU
400	16	1	17.8	19.7	1	26	15.4	SMAJ16A	SMAJ16CA	SMAJ16A-AU	SMAJ16CA-AU
400	17	1	18.9	20.9	1	27.6	14.5	SMAJ17A	SMAJ17CA	SMAJ17A-AU	SMAJ17CA-AU
400	18	1	20	22.1	1	29.2	13.7	SMAJ18A	SMAJ18CA	SMAJ18A-AU	SMAJ18CA-AU
400	20	1	22.2	24.5	1	32.4	12.4	SMAJ20A	SMAJ20CA	SMAJ20A-AU	SMAJ20CA-AU
400	22	1	24.4	26.9	1	35.5	11.3	SMAJ22A	SMAJ22CA	SMAJ22A-AU	SMAJ22CA-AU
400	24	1	26.7	29.5	1	38.9	10.3	SMAJ24A	SMAJ24CA	SMAJ24A-AU	SMAJ24CA-AU
400	26	1	28.9	31.9	1	42.1	9.5	SMAJ26A	SMAJ26CA	SMAJ26A-AU	SMAJ26CA-AU
400	28	1	31.1	34.4	1	45.4	8.8	SMAJ28A	SMAJ28CA	SMAJ28A-AU	SMAJ28CA-AU
400	30	1	33.3	36.8	1	48.4	8.3	SMAJ30A	SMAJ30CA	SMAJ30A-AU	SMAJ30CA-AU
400	33	1	36.7	40.6	1	53.3	7.5	SMAJ33A	SMAJ33CA	SMAJ33A-AU	SMAJ33CA-AU
400	36	1	40	44.2	1	58.1	6.9	SMAJ36A	SMAJ36CA	SMAJ36A-AU	SMAJ36CA-AU
400	40	1	44.4	49.1	1	64.5	6.2	SMAJ40A	SMAJ40CA	SMAJ40A-AU	SMAJ40CA-AU
400	43	1	47.8	52.8	1	69.4	5.8	SMAJ43A	SMAJ43CA	SMAJ43A-AU	SMAJ43CA-AU
400	45	1	50	55.3	1	72.7	5.5	SMAJ45A	SMAJ45CA	SMAJ45A-AU	SMAJ45CA-AU
400	48	1	53.3	58.9	1	77.4	5.2	SMAJ48A	SMAJ48CA	SMAJ48A-AU	SMAJ48CA-AU
400	51	1	56.7	62.7	1	82.4	4.9	SMAJ51A	SMAJ51CA	SMAJ51A-AU	SMAJ51CA-AU
400	54	1	60	66.3	1	87.1	4.6	SMAJ54A	SMAJ54CA	SMAJ54A-AU	SMAJ54CA-AU
400	58	1	64.4	71.2	1	93.6	4.3	SMAJ58A	SMAJ58CA	SMAJ58A-AU	SMAJ58CA-AU
400	60	1	66.7	73.7	1	96.8	4.1	SMAJ60A	SMAJ60CA	SMAJ60A-AU	SMAJ60CA-AU
400	64	1	71.1	78.6	1	103	3.9	SMAJ64A	SMAJ64CA	SMAJ64A-AU	SMAJ64CA-AU
400	70	1	77.8	86	1	113	3.6	SMAJ70A	SMAJ70CA	SMAJ70A-AU	SMAJ70CA-AU
400	75	1	83.3	92.1	1	121	3.3	SMAJ75A	SMAJ75CA	SMAJ75A-AU	SMAJ75CA-AU
400	78	1	86.7	95.8	1	126	3.2	SMAJ78A	SMAJ78CA	SMAJ78A-AU	SMAJ78CA-AU
400	85	1	94.4	104	1	137	2.9	SMAJ85A	SMAJ85CA	SMAJ85A-AU	SMAJ85CA-AU
400	90	1	100	111	1	146	2.8	SMAJ90A	SMAJ90CA	SMAJ90A-AU	SMAJ90CA-AU

PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
400	100	1	111	123	1	162	2.5	SMAJ100A	SMAJ100CA	SMAJ100A-AU	SMAJ100CA-AU
400	110	1	122	135	1	177	2.3	SMAJ110A	SMAJ110CA	SMAJ110A-AU	SMAJ110CA-AU
400	120	1	133	147	1	193	2.1	SMAJ120A	SMAJ120CA	SMAJ120A-AU	SMAJ120CA-AU
400	130	1	144	159	1	209	1.9	SMAJ130A	SMAJ130CA	SMAJ130A-AU	SMAJ130CA-AU
400	150	1	167	185	1	243	1.7	SMAJ150A	SMAJ150CA	SMAJ150A-AU	SMAJ150CA-AU
400	160	1	178	197	1	259	1.6	SMAJ160A	SMAJ160CA	SMAJ160A-AU	SMAJ160CA-AU
400	170	1	189	209	1	275	1.5	SMAJ170A	SMAJ170CA	SMAJ170A-AU	SMAJ170CA-AU
400	180	1	201	222	1	292	1.4	SMAJ180A	SMAJ180CA	SMAJ180A-AU	SMAJ180CA-AU
400	200	1	224	247	1	324	1.3	SMAJ200A	SMAJ200CA	SMAJ200A-AU	SMAJ200CA-AU
400	220	1	246	272	1	356	1.1	SMAJ220A	SMAJ220CA	SMAJ220A-AU	SMAJ220CA-AU
400	250	1	279	309	1	405	1	SMAJ250A	SMAJ250CA	SMAJ250A-AU	SMAJ250CA-AU
400	300	1	335	371	1	486	0.8	SMAJ300A	SMAJ300CA	SMAJ300A-AU	SMAJ300CA-AU
400	350	1	391	432	1	567	0.7	SMAJ350A	SMAJ350CA	SMAJ350A-AU	SMAJ350CA-AU
600	400	1	447	494	1	648	0.6	SMAJ400A	SMAJ400CA	SMAJ400A-AU	SMAJ400CA-AU
600	440	1	492	543	1	713	0.6	SMAJ440A	SMAJ440CA	SMAJ440A-AU	SMAJ440CA-AU
600	15	1	16.7	18.5	1	32	500	SM05K15CS			
600	18	1	20	22.3	1	37	500	SM05K18CS			
600	20	1	22	24.5	1	40	500	SM05K20CS			
600	5	120	6.4	7	10	9.2	65.2	6AJ5.0A	6AJ5.0CA		
600	6	120	6.67	7.37	10	10.3	58.3	6AJ6.0A	6AJ6.0CA		
600	6.5	120	7.22	7.98	10	11.2	53.6	6AJ6.5A	6AJ6.5CA		
600	7	50	7.78	8.6	10	12	50	6AJ7.0A	6AJ7.0CA		
600	7.5	50	8.33	9.21	1	12.9	46.5	6AJ7.5A	6AJ7.5CA		
600	8	20	8.89	9.83	1	13.6	44.1	6AJ8.0A	6AJ8.0CA		
600	8.5	10	9.44	10.4	1	14.4	41.7	6AJ8.5A	6AJ8.5CA		
600	9	5	10	11.1	1	15.4	39	6AJ9.0A	6AJ9.0CA		
600	10	2	11.1	12.3	1	17	35.3	6AJ10A	6AJ10CA	6AJ10A-AU	6AJ10CA-AU
600	11	1	12.2	13.5	1	18.2	33	6AJ11A	6AJ11CA	6AJ11A-AU	6AJ11CA-AU
600	12	1	13.3	14.7	1	19.9	30.2	6AJ12A	6AJ12CA	6AJ12A-AU	6AJ12CA-AU
600	13	1	14.4	15.9	1	21.5	27.9	6AJ13A	6AJ13CA	6AJ13A-AU	6AJ13CA-AU
600	14	1	15.6	17.2	1	23.2	25.9	6AJ14A	6AJ14CA	6AJ14A-AU	6AJ14CA-AU
600	15	1	16.7	18.5	1	24.4	24.6	6AJ15A	6AJ15CA	6AJ15A-AU	6AJ15CA-AU
600	16	1	17.8	19.7	1	26	23.1	6AJ16A	6AJ16CA	6AJ16A-AU	6AJ16CA-AU
600	17	1	18.9	20.9	1	27.6	21.8	6AJ17A	6AJ17CA	6AJ17A-AU	6AJ17CA-AU
600	18	1	20	22.1	1	29.2	20.6	6AJ18A	6AJ18CA	6AJ18A-AU	6AJ18CA-AU
600	20	1	22.2	24.5	1	32.4	18.6	6AJ20A	6AJ20CA	6AJ20A-AU	6AJ20CA-AU
600	22	1	24.4	26.9	1	35.5	16.9	6AJ22A	6AJ22CA	6AJ22A-AU	6AJ22CA-AU
600	24	1	26.7	29.5	1	38.9	15.4	6AJ24A	6AJ24CA	6AJ24A-AU	6AJ24CA-AU
600	26	1	28.9	31.9	1	42.1	14.3	6AJ26A	6AJ26CA	6AJ26A-AU	6AJ26CA-AU
600	28	1	31.1	34.4	1	45.4	13.2	6AJ28A	6AJ28CA	6AJ28A-AU	6AJ28CA-AU
600	30	1	33.3	36.8	1	48.4	12.4	6AJ30A	6AJ30CA	6AJ30A-AU	6AJ30CA-AU
600	33	1	36.7	40.6	1	53.3	11.3	6AJ33A	6AJ33CA	6AJ33A-AU	6AJ33CA-AU
600	36	1	40	44.2	1	58.1	10.4	6AJ36A	6AJ36CA	6AJ36A-AU	6AJ36CA-AU
600	40	1	44.4	49.1	1	64.5	9.3	6AJ40A	6AJ40CA	6AJ40A-AU	6AJ40CA-AU
600	43	1	47.8	52.8	1	69.4	8.7	6AJ43A	6AJ43CA	6AJ43A-AU	6AJ43CA-AU
600	45	1	50	55.3	1	72.7	8.3	6AJ45A	6AJ45CA	6AJ45A-AU	6AJ45CA-AU
600	48	1	53.3	58.9	1	77.4	7.8	6AJ48A	6AJ48CA	6AJ48A-AU	6AJ48CA-AU
600	51	1	56.7	62.7	1	82.4	7.3	6AJ51A	6AJ51CA	6AJ51A-AU	6AJ51CA-AU
600	54	1	60	66.3	1	87.1	6.9	6AJ54A	6AJ54CA	6AJ54A-AU	6AJ54CA-AU
600	58	1	64.4	71.2	1	93.6	6.4	6AJ58A	6AJ58CA	6AJ58A-AU	6AJ58CA-AU
600	60	1	66.7	73.7	1	96.8	6.2	6AJ60A	6AJ60CA	6AJ60A-AU	6AJ60CA-AU
600	64	1	71.1	78.6	1	103	5.8	6AJ64A	6AJ64CA	6AJ64A-AU	6AJ64CA-AU
1000	70	1	77.8	86	1	113	5.3	6AJ70A	6AJ70CA	6AJ70A-AU	6AJ70CA-AU
1000	75	1	83.3	92.1	1	121	5	6AJ75A	6AJ75CA	6AJ75A-AU	6AJ75CA-AU
1000	78	1	86.7	95.8	1	126	4.8	6AJ78A	6AJ78CA	6AJ78A-AU	6AJ78CA-AU
1000	85	1	94.4	104	1	137	4.4	6AJ85A	6AJ85CA	6AJ85A-AU	6AJ85CA-AU
1000	100	1	111	123	1	162	3.7	6AJ100A	6AJ100CA	6AJ100A-AU	6AJ100CA-AU

PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
1000	110	1	122	135	1	177	3.4	6AJ110A	6AJ110CA	6AJ110A-AU	6AJ110CA-AU
1000	120	1	133	147	1	193	3.1	6AJ120A	6AJ120CA	6AJ120A-AU	6AJ120CA-AU
1000	220	1	246	272	1	356	1.7	6AJ200A			

Parameter	Range	Unit
P _{PP}	600 - 1500	[W]
I _{PP}	0.8 - 1000	[A]
V _R	3.3 - 440	[V]
V _{BR_Min}	4.1 - 492	[V]
I _T	1 - 10	[mA]



PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
600	120	1	133	147	1	193	5.2	10BJ120A	10BJ120CA	10BJ120A-AU	10BJ120CA-AU
600	130	1	144	159	1	209	4.8	10BJ130A	10BJ130CA	10BJ130A-AU	10BJ130CA-AU
600	150	1	167	185	1	243	4.2	10BJ150A	10BJ150CA	10BJ150A-AU	10BJ150CA-AU
600	160	1	178	197	1	259	3.9	10BJ160A	10BJ160CA	10BJ160A-AU	10BJ160CA-AU
600	170	1	189	209	1	275	3.7	10BJ170A	10BJ170CA	10BJ170A-AU	10BJ170CA-AU
600	180	1	201	222	1	292	3.5	10BJ180A	10BJ180CA	10BJ180A-AU	10BJ180CA-AU
600	190	1	211	234	1	307	3.3	10BJ190A	10BJ190CA	10BJ190A-AU	10BJ190CA-AU
600	200	1	224	247	1	324	3.1	10BJ200A	10BJ200CA	10BJ200A-AU	10BJ200CA-AU
600	3.3	100	4.1	*	1	7.3	82.5	SMBJ3.3A			
600	5	120	6.4	7	10	9.2	65.2	SMBJ5.0A	SMBJ5.0CA		
600	6	120	6.67	7.37	10	10.3	58.3	SMBJ6.0A	SMBJ6.0CA		
600	6.5	120	7.22	7.98	10	11.2	53.6	SMBJ6.5A	SMBJ6.5CA		
600	7	50	7.78	8.6	10	12	50	SMBJ7.0A	SMBJ7.0CA		
600	7.5	50	8.33	9.21	1	12.9	46.5	SMBJ7.5A	SMBJ7.5CA		
600	8	20	8.89	9.83	1	13.6	44.1	SMBJ8.0A	SMBJ8.0CA		
600	8.5	10	9.44	10.4	1	14.4	41.7	SMBJ8.5A	SMBJ8.5CA		
600	9	5	10	11.1	1	15.4	39	SMBJ9.0A	SMBJ9.0CA		
600	10	2	11.1	12.3	1	17	35.3	SMBJ10A	SMBJ10CA	SMBJ10A-AU	SMBJ10CA-AU
600	11	1	12.2	13.5	1	18.2	33	SMBJ11A	SMBJ11CA	SMBJ11A-AU	SMBJ11CA-AU
600	12	1	13.3	14.7	1	19.9	30.2	SMBJ12A	SMBJ12CA	SMBJ12A-AU	SMBJ12CA-AU
600	13	1	14.4	15.9	1	21.5	27.9	SMBJ13A	SMBJ13CA	SMBJ13A-AU	SMBJ13CA-AU
600	14	1	15.6	17.2	1	23.2	25.9	SMBJ14A	SMBJ14CA	SMBJ14A-AU	SMBJ14CA-AU
600	15	1	16.7	18.5	1	24.4	24.6	SMBJ15A	SMBJ15CA	SMBJ15A-AU	SMBJ15CA-AU
600	16	1	17.8	19.7	1	26	23.1	SMBJ16A	SMBJ16CA	SMBJ16A-AU	SMBJ16CA-AU
600	17	1	18.9	20.9	1	27.6	21.8	SMBJ17A	SMBJ17CA	SMBJ17A-AU	SMBJ17CA-AU
600	18	1	20	22.1	1	29.2	20.6	SMBJ18A	SMBJ18CA	SMBJ18A-AU	SMBJ18CA-AU
600	20	1	22.2	24.5	1	32.4	18.6	SMBJ20A	SMBJ20CA	SMBJ20A-AU	SMBJ20CA-AU
600	22	1	24.4	26.9	1	35.5	16.9	SMBJ22A	SMBJ22CA	SMBJ22A-AU	SMBJ22CA-AU
600	24	1	26.7	29.5	1	38.9	15.4	SMBJ24A	SMBJ24CA	SMBJ24A-AU	SMBJ24CA-AU
600	26	1	28.9	31.9	1	42.1	14.3	SMBJ26A	SMBJ26CA	SMBJ26A-AU	SMBJ26CA-AU
600	28	1	31.1	34.4	1	45.4	13.2	SMBJ28A	SMBJ28CA	SMBJ28A-AU	SMBJ28CA-AU
600	30	1	33.3	36.8	1	48.4	12.4	SMBJ30A	SMBJ30CA	SMBJ30A-AU	SMBJ30CA-AU
600	33	1	36.7	40.6	1	53.3	11.3	SMBJ33A	SMBJ33CA	SMBJ33A-AU	SMBJ33CA-AU
600	36	1	40	44.2	1	58.1	10.4	SMBJ36A	SMBJ36CA	SMBJ36A-AU	SMBJ36CA-AU
600	40	1	44.4	49.1	1	64.5	9.3	SMBJ40A	SMBJ40CA	SMBJ40A-AU	SMBJ40CA-AU
600	43	1	47.8	52.8	1	69.4	8.7	SMBJ43A	SMBJ43CA	SMBJ43A-AU	SMBJ43CA-AU
600	45	1	50	55.3	1	72.7	8.3	SMBJ45A	SMBJ45CA	SMBJ45A-AU	SMBJ45CA-AU
600	48	1	53.3	58.9	1	77.4	7.8	SMBJ48A	SMBJ48CA	SMBJ48A-AU	SMBJ48CA-AU
600	51	1	56.7	62.7	1	82.4	7.3	SMBJ51A	SMBJ51CA	SMBJ51A-AU	SMBJ51CA-AU
600	54	1	60	66.3	1	87.1	6.9	SMBJ54A	SMBJ54CA	SMBJ54A-AU	SMBJ54CA-AU

PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
600	58	1	64.4	71.2	1	93.6	6.4	SMBJ58A	SMBJ58CA	SMBJ58A-AU	SMBJ58CA-AU
600	60	1	66.7	73.7	1	96.8	6.2	SMBJ60A	SMBJ60CA	SMBJ60A-AU	SMBJ60CA-AU
600	64	1	71.1	78.6	1	103	5.8	SMBJ64A	SMBJ64CA	SMBJ64A-AU	SMBJ64CA-AU
600	70	1	77.8	86	1	113	5.3	SMBJ70A	SMBJ70CA	SMBJ70A-AU	SMBJ70CA-AU
600	75	1	83.3	92.1	1	121	5	SMBJ75A	SMBJ75CA	SMBJ75A-AU	SMBJ75CA-AU
600	78	1	86.7	95.8	1	126	4.8	SMBJ78A	SMBJ78CA	SMBJ78A-AU	SMBJ78CA-AU
600	85	1	94.4	104	1	137	4.4	SMBJ85A	SMBJ85CA	SMBJ85A-AU	SMBJ85CA-AU
600	90	1	100	111	1	146	4.1	SMBJ90A	SMBJ90CA	SMBJ90A-AU	SMBJ90CA-AU
600	100	1	111	123	1	162	3.7	SMBJ100A	SMBJ100CA	SMBJ100A-AU	SMBJ100CA-AU
600	110	1	122	135	1	177	3.4	SMBJ110A	SMBJ110CA	SMBJ110A-AU	SMBJ110CA-AU
600	120	1	133	147	1	193	3.1	SMBJ120A	SMBJ120CA	SMBJ120A-AU	SMBJ120CA-AU
600	130	1	144	159	1	209	2.9	SMBJ130A	SMBJ130CA	SMBJ130A-AU	SMBJ130CA-AU
600	150	1	167	185	1	243	2.5	SMBJ150A	SMBJ150CA	SMBJ150A-AU	SMBJ150CA-AU
600	160	1	178	197	1	259	2.3	SMBJ160A	SMBJ160CA	SMBJ160A-AU	SMBJ160CA-AU
600	170	1	189	209	1	275	2.2	SMBJ170A	SMBJ170CA	SMBJ170A-AU	SMBJ170CA-AU
600	180	1	201	222	1	292	2.1	SMBJ180A	SMBJ180CA	SMBJ180A-AU	SMBJ180CA-AU
600	190	1	211	234	1	307	2	SMBJ190A	SMBJ190CA	SMBJ190A-AU	SMBJ190CA-AU
1000	5	200	6.4	7	10	9.2	108.7	10BJ5.0A	10BJ5.0CA		
1000	6	200	6.67	7.37	10	10.3	97.1	10BJ6.0A	10BJ6.0CA		
1000	6.5	120	7.22	7.98	10	11.2	89.3	10BJ6.5A	10BJ6.5CA		
1000	7	80	7.78	8.6	10	12	83.4	10BJ7.0A	10BJ7.0CA		
1000	7.5	50	8.33	9.21	1	12.9	77.6	10BJ7.5A	10BJ7.5CA		
1000	8	20	8.89	9.83	1	13.6	73.6	10BJ8.0A	10BJ8.0CA		
1000	8.5	10	9.44	10.4	1	14.4	69.5	10BJ8.5A	10BJ8.5CA		
1000	9	5	10	11.1	1	15.4	65	10BJ9.0A	10BJ9.0CA		
1000	10	2	11.1	12.3	1	17	58.9	10BJ10A	10BJ10CA	10BJ10A-AU	10BJ10CA-AU
1000	11	1	12.2	13.5	1	18.2	55	10BJ11A	10BJ11CA	10BJ11A-AU	10BJ11CA-AU
1000	12	1	13.3	14.7	1	19.9	50.3	10BJ12A	10BJ12CA	10BJ12A-AU	10BJ12CA-AU
1000	13	1	14.4	15.9	1	21.5	46.6	10BJ13A	10BJ13CA	10BJ13A-AU	10BJ13CA-AU
1000	14	1	15.6	17.2	1	23.2	43.1	10BJ14A	10BJ14CA	10BJ14A-AU	10BJ14CA-AU
1000	15	1	16.7	18.5	1	24.4	41	10BJ15A	10BJ15CA	10BJ15A-AU	10BJ15CA-AU
1000	16	1	17.8	19.7	1	26	38.5	10BJ16A	10BJ16CA	10BJ16A-AU	10BJ16CA-AU
1000	17	1	18.9	20.9	1	27.6	36.3	10BJ17A	10BJ17CA	10BJ17A-AU	10BJ17CA-AU
1000	18	1	20	22.1	1	29.2	34.3	10BJ18A	10BJ18CA	10BJ18A-AU	10BJ18CA-AU
1000	20	1	22.2	24.5	1	32.4	30.9	10BJ20A	10BJ20CA	10BJ20A-AU	10BJ20CA-AU
1000	22	1	24.4	26.9	1	35.5	28.2	10BJ22A	10BJ22CA	10BJ22A-AU	10BJ22CA-AU
1000	24	1	26.7	29.5	1	38.9	25.7	10BJ24A	10BJ24CA	10BJ24A-AU	10BJ24CA-AU
1000	26	1	28.9	31.9	1	42.1	23.8	10BJ26A	10BJ26CA	10BJ26A-AU	10BJ26CA-AU
1000	28	1	31.1	34.4	1	45.4	22.1	10BJ28A	10BJ28CA	10BJ28A-AU	10BJ28CA-AU
1000	30	1	33.3	36.8	1	48.4	20.7	10BJ30A	10BJ30CA	10BJ30A-AU	10BJ30CA-AU
1000	33	1	36.7	40.6	1	53.3	18.8	10BJ33A	10BJ33CA	10BJ33A-AU	10BJ33CA-AU
1000	36	1	40	44.2	1	58.1	17.2	10BJ36A	10BJ36CA	10BJ36A-AU	10BJ36CA-AU
1000	40	1	44.4	49.1	1	64.5	15.5	10BJ40A	10BJ40CA	10BJ40A-AU	10BJ40CA-AU
1000	43	1	47.8	52.8	1	69.4	14.4	10BJ43A	10BJ43CA	10BJ43A-AU	10BJ43CA-AU
1000	45	1	50	55.3	1	72.7	13.8	10BJ45A	10BJ45CA	10BJ45A-AU	10BJ45CA-AU
1000	48	1	53.3	58.9	1	77.4	13	10BJ48A	10BJ48CA	10BJ48A-AU	10BJ48CA-AU
1000	51	1	56.7	62.7	1	82.4	12.2	10BJ51A	10BJ51CA	10BJ51A-AU	10BJ51CA-AU
1000	54	1	60	66.3	1	87.1	11.5	10BJ54A	10BJ54CA	10BJ54A-AU	10BJ54CA-AU
1000	58	1	64.4	71.2	1	93.6	10.7	10BJ58A	10BJ58CA	10BJ58A-AU	10BJ58CA-AU
1000	60	1	66.7	73.7	1	96.8	10.3	10BJ60A	10BJ60CA	10BJ60A-AU	10BJ60CA-AU
1000	64	1	71.1	78.6	1	103	9.7	10BJ64A	10BJ64CA	10BJ64A-AU	10BJ64CA-AU
1000	70	1	77.8	86	1	113	8.9	10BJ70A	10BJ70CA	10BJ70A-AU	10BJ70CA-AU
1000	75	1	83.3	92.1	1	121	8.3	10BJ75A	10BJ75CA	10BJ75A-AU	10BJ75CA-AU
1000	78	1	86.7	95.8	1	126	7.9	10BJ78A	10BJ78CA	10BJ78A-AU	10BJ78CA-AU
1000	85	1	94.4	104	1	137	7.3	10BJ85A	10BJ85CA	10BJ85A-AU	10BJ85CA-AU
1000	90	1	100	111	1	146	6.9	10BJ90A	10BJ90CA	10BJ90A-AU	10BJ90CA-AU
1000	100	1	111	123	1	162	6.2	10BJ100A	10BJ100CA	10BJ100A-AU	10BJ100CA-AU

PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
1000	110	1	122	135	1	177	5.6	10BJ110A	10BJ110CA	10BJ110A-AU	10BJ110CA-AU
1500	200	1	224	247	1	324	1.9	SMBJ200A	SMBJ200CA	SMBJ200A-AU	SMBJ200CA-AU
1500	210	1	233	258	1	337	1.8	SMBJ210A	SMBJ210CA	SMBJ210A-AU	SMBJ210CA-AU
1500	220	1	246	272	1	356	1.7	SMBJ220A	SMBJ220CA	SMBJ220A-AU	SMBJ220CA-AU
1500	250	1	279	309	1	405	1.5	SMBJ250A	SMBJ250CA	SMBJ250A-AU	SMBJ250CA-AU
1500	300	1	335	371	1	486	1.3	SMBJ300A	SMBJ300CA	SMBJ300A-AU	SMBJ300CA-AU
1500	350	1	391	432	1	567	1.1	SMBJ350A	SMBJ350CA	SMBJ350A-AU	SMBJ350CA-AU
1500	400	1	447	494	1	648	0.9	SMBJ400A	SMBJ400CA	SMBJ400A-AU	SMBJ400CA-AU
1500	440	1	492	543	1	713	0.8	SMBJ440A	SMBJ440CA	SMBJ440A-AU	SMBJ440CA-AU
1500	15	1	16.7	18.5	1	32	1000	SM1K15C			
1500	16	1	17.8	19.7	1	34	1000	SM1K16C			
1500	18	1	20	22.3	1	37	1000	SM1K18C			
1500	20	1	22	24.5	1	40	1000	SM1K20C			
1500	15	1	16.7	18.5	1	32	500	SM05K15C			
1500	18	1	20	22.3	1	37	500	SM05K18C			
1500	20	1	22	24.5	1	40	500	SM05K20C			
1500	30	1	33.3	38	1	48	500	SM05K30C			

M

Transient Voltage Suppressors

Parameter	Range	Unit
P _{PP}	1500 - 3000	[W]
I _{PP}	2.1 -2000	[A]
V _R	5 - 400	[V]
V _{BR_Min}	6.4 - 492	[V]
I _T	1 - 10	[mA]

SMBF



PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
1500	5	300	6.4	7.1	10	20	1000	SM1K5CF			
1500	6	250	6.5	7.4	10	20	1000	SM1K6CF			
1500	6.5	150	7.2	8	10	22	1000	SM1K6VCF			
1500	7	100	7.7	8.6	10	22	1000	SM1K7CF			
1500	15	1	16.7	18.5	1	32	1000	SM1K15CF			
1500	15	1	16.7	18.5	1	42	2000	SM2K15CF			
1500	16	1	17.8	19.7	1	34	1000	SM1K16CF			
1500	16	1	17.8	19.7	1	43	2000	SM2K16CF			
1500	18	1	20	22.3	1	37	1000	SM1K18CF			
1500	18	1	20	22.3	1	45	2000	SM2K18CF			
1500	20	1	22	24.5	1	40	1000	SM1K20CF			
1500	20	1	22	24.5	1	47	2000	SM2K20CF			
1500	30	1	32	37	1	65	1000	SM1K30CF			
1500	33	1	36	41	1	70	1000	SM1K33CF			
1500	36	1	39.5	45	1	72	1000	SM1K36CF			
1500	40	1	44	49.1	1	75	1000	SM1K40CF			
1500	58	1	60	72	1	110	10/700μs-40Ω	JT58SB			
1500	58	1	60	75	1	90	10/700μs-40Ω	JT58SCC			
1500	58	1	64.4	71.2	1	100	10/700μs-40Ω	15BJ58CA-B			
1500	5	300	6.4	7	10	9.2	163	15BJ5.0A	15BJ5.0CA		
1500	6	250	6.67	7.37	10	10.3	145.6	15BJ6.0A	15BJ6.0CA		
1500	6.5	150	7.22	7.98	10	11.2	134	15BJ6.5A	15BJ6.5CA		
1500	7	100	7.78	8.6	10	12	125	15BJ7.0A	15BJ7.0CA		
1500	7.5	50	8.33	9.21	1	12.9	116.3	15BJ7.5A	15BJ7.5CA		
1500	8	30	8.89	9.83	1	13.6	110.3	15BJ8.0A	15BJ8.0CA		
1500	8.5	20	9.44	10.4	1	14.4	104.2	15BJ8.5A	15BJ8.5CA		
1500	9	10	10	11.1	1	15.4	97.4	15BJ9.0A	15BJ9.0CA	15BJ10A-AU	15BJ10CA-AU
1500	10	1	11.1	12.3	1	17	88.2				
1500	10	5	11.1	12.3	1	17	88.2	15BJ10A	15BJ10CA	15BJ11A-AU	15BJ11CA-AU
1500	11	1	12.2	13.5	1	18.2	82.4				
1500	11	2	12.2	13.5	1	18.2	82.4	15BJ11A	15BJ11CA	15BJ12A-AU	15BJ12CA-AU
1500	12	1	13.3	14.7	1	19.9	75.4	15BJ12A	15BJ12CA	15BJ13A-AU	15BJ13CA-AU
1500	13	1	14.4	15.9	1	21.5	69.8	15BJ13A	15BJ13CA	15BJ14A-AU	15BJ14CA-AU
1500	14	1	15.6	17.2	1	23.2	64.7	15BJ14A	15BJ14CA	15BJ15A-AU	15BJ15CA-AU
1500	15	1	16.7	18.5	1	24.4	61.5	15BJ15A	15BJ15CA	15BJ16A-AU	15BJ16CA-AU
1500	16	1	17.8	19.7	1	26	57.7	15BJ16A	15BJ16CA	15BJ17A-AU	15BJ17CA-AU
1500	17	1	18.9	20.9	1	27.6	54.4	15BJ17A	15BJ17CA	15BJ18A-AU	15BJ18CA-AU
1500	18	1	20	22.1	1	29.2	51.4	15BJ18A	15BJ18CA	15BJ20A-AU	15BJ20CA-AU
1500	20	1	22.2	24.5	1	32.4	46.3	15BJ20A	15BJ20CA	15BJ22A-AU	15BJ22CA-AU
1500	22	1	24.4	26.9	1	35.5	42.3	15BJ22A	15BJ22CA	15BJ24A-AU	15BJ24CA-AU

PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
1500	24	1	26.7	29.5	1	38.9	38.6	15BJ24A	15BJ24CA	15BJ26A-AU	15BJ26CA-AU
1500	26	1	28.9	31.9	1	42.1	35.6	15BJ26A	15BJ26CA	15BJ28A-AU	15BJ28CA-AU
1500	28	1	31.1	34.4	1	45.4	33.1	15BJ28A	15BJ28CA	15BJ30A-AU	15BJ30CA-AU
1500	30	1	33.3	36.8	1	48.4	31	15BJ30A	15BJ30CA	15BJ33A-AU	15BJ33CA-AU
1500	33	1	36.7	40.6	1	53.3	28.2	15BJ33A	15BJ33CA	15BJ36A-AU	15BJ36CA-AU
1500	36	1	40	44.2	1	58.1	25.8	15BJ36A	15BJ36CA	15BJ40A-AU	15BJ40CA-AU
1500	40	1	44.4	49.1	1	64.5	23.3	15BJ40A	15BJ40CA	15BJ43A-AU	15BJ43CA-AU
1500	43	1	47.8	52.8	1	69.4	21.6	15BJ43A	15BJ43CA	15BJ45A-AU	15BJ45CA-AU
1500	45	1	50	55.3	1	72.7	20.6	15BJ45A	15BJ45CA	15BJ48A-AU	15BJ48CA-AU
1500	48	1	53.3	58.9	1	77.4	19.4	15BJ48A	15BJ48CA	15BJ51A-AU	15BJ51CA-AU
1500	51	1	56.7	62.7	1	82.4	18.2	15BJ51A	15BJ51CA	15BJ54A-AU	15BJ54CA-AU
1500	54	1	60	66.3	1	87.1	17.2	15BJ54A	15BJ54CA	15BJ58A-AU	15BJ58CA-AU
1500	58	1	64.4	71.2	1	93.6	16.1	15BJ58A	15BJ58CA	15BJ60A-AU	15BJ60CA-AU
1500	60	1	66.7	73.7	1	96.8	15.5	15BJ60A	15BJ60CA	15BJ64A-AU	15BJ64CA-AU
1500	64	1	71.1	78.6	1	103	14.6	15BJ64A	15BJ64CA	15BJ70A-AU	15BJ70CA-AU
1500	70	1	77.8	86	1	113	13.3	15BJ70A	15BJ70CA	15BJ75A-AU	15BJ75CA-AU
3000	75	1	83.3	92.1	1	121	12.4	15BJ75A	15BJ75CA	15BJ78A-AU	15BJ78CA-AU
3000	78	1	86.7	95.8	1	126	11.9	15BJ78A	15BJ78CA	15BJ85A-AU	15BJ85CA-AU
3000	85	1	94.4	104	1	137	11	15BJ85A	15BJ85CA	15BJ90A-AU	15BJ90CA-AU
3000	90	1	100	111	1	146	10.3	15BJ90A	15BJ90CA	15BJ100A-AU	15BJ100CA-AU
3000	100	1	111	123	1	162	9.3	15BJ100A	15BJ100CA	15BJ110A-AU	15BJ110CA-AU
3000	110	1	122	13	1	177	8.5	15BJ110A	15BJ110CA	15BJ120A-AU	15BJ120CA-AU
3000	120	1	133	147	1	193	7.8	15BJ120A	15BJ120CA	15BJ130A-AU	15BJ130CA-AU
3000	130	1	144	159	1	209	7.2	15BJ130A	15BJ130CA	15BJ150A-AU	15BJ150CA-AU
3000	150	1	167	185	1	243	6.2	15BJ150A	15BJ150CA	15BJ160A-AU	15BJ160CA-AU
3000	160	1	178	197	1	259	5.8	15BJ160A	15BJ160CA	15BJ170A-AU	15BJ170CA-AU
3000	170	1	189	209	1	275	5.5	15BJ170A	15BJ170CA	15BJ180A-AU	15BJ180CA-AU
3000	180	1	201	222	1	292	5.2	15BJ180A	15BJ180CA	15BJ190A-AU	15BJ190CA-AU
3000	190	1	211	234	1	307	4.9	15BJ190A	15BJ190CA	15BJ200A-AU	15BJ200CA-AU
3000	200	1	224	247	1	324	4.7	15BJ200A	15BJ200CA		
3000	210	1	233	258	1	337	4.5	15BJ210A	15BJ210CA		
3000	220	1	246	272	1	356	4.2	15BJ220A	15BJ220CA		
3000	250	1	279	309	1	405	3.7	15BJ250A	15BJ250CA		
3000	300	1	335	371	1	486	3.1	15BJ300A	15BJ300CA		
3000	350	1	391	432	1	567	2.6	15BJ350A	15BJ350CA		
3000	400	1	447	494	1	648	2.3	15BJ400A	15BJ400CA		
3000	440	1	492	5435	1	713	2.1	15BJ440A	15BJ440CA		

Transient Voltage Suppressors

Parameter	Range	Unit
P _{PP}	200 - 7000	[W]
I _{PP}	2.1 - 3000	[A]
V _R	5 - 440	[V]
V _{BR_Min}	6.4 -492	[V]
I _T	1 - 10	[mA]

SMC



PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
200	110	1	122	135	1	177	16.9	SMDJ110A	SMDJ110CA		
200	120	1	133	147	1	193	15.5	SMDJ120A	SMDJ120CA		
200	130	1	144	159	1	209	14.4	SMDJ130A	SMDJ130CA		
200	150	1	167	185	1	243	12.3	SMDJ150A	SMDJ150CA		
200	160	1	178	197	1	259	11.6	SMDJ160A	SMDJ160CA		
200	170	1	189	209	1	275	10.9	SMDJ170A	SMDJ170CA		
200	180	1	201	222	1	292	10.3	SMDJ180A	SMDJ180CA		
200	190	1	211	234	1	307	9.7	SMDJ190A	SMDJ190CA		
200	200	1	224	247	1	324	9.3	SMDJ200A	SMDJ200CA		
200	210	1	233	258	1	337	8.8	SMDJ210A	SMDJ210CA		
200	220	1	244	270	1	356	8.4	SMDJ220A	SMDJ220CA		
200	11	5	12.2	13.5	10	18.2	275	5.0SMDJ11A	5.0SMDJ11CA		
200	12	5	13.3	14.7	10	19.9	252	5.0SMDJ12A	5.0SMDJ12CA		
200	13	5	14.4	15.9	10	21.5	233	5.0SMDJ13A	5.0SMDJ13CA		
200	14	5	15.6	17.2	10	23.2	216	5.0SMDJ14A	5.0SMDJ14CA		
200	15	5	16.7	18.5	1	24.4	205	5.0SMDJ15A	5.0SMDJ15CA		
200	15	5	16.7	18.5	5	24.4	205			SM6P15A	SM6P15C
200	16	5	17.8	19.7	1	26	193	5.0SMDJ16A	5.0SMDJ16CA		
200	16	5	17.8	19.7	5	26	192			SM6P16A	SM6P16C
200	17	5	18.9	20.9	1	27.6	181	5.0SMDJ17A	5.0SMDJ17CA		
200	18	5	20	22.1	1	29.2	172	5.0SMDJ18A	5.0SMDJ18CA		
200	18	5	20	22.1	5	29.2	171			SM6P18A	SM6P18C
200	20	5	22.2	24.5	1	32.4	155	5.0SMDJ20A	5.0SMDJ20CA		
200	20	5	22.2	24.5	5	32.4	154			SM6P20A	SM6P20C
200	22	1	24.4	26.9	1	35.5	141	5.0SMDJ22A	5.0SMDJ22CA		
200	22	5	24.4	26.9	5	35.5	141			SM6P22A	SM6P22C
200	24	1	26.7	29.5	1	38.9	129	5.0SMDJ24A	5.0SMDJ24CA		
200	24	5	26.7	29.5	5	38.9	129			SM6P24A	SM6P24C
200	26	1	28.9	31.9	1	42.1	119	5.0SMDJ26A	5.0SMDJ26CA		
200	26	5	28.9	31.9	5	42.1	119			SM6P26A	SM6P26C
200	28	1	31.1	34.4	1	45.4	110	5.0SMDJ28A	5.0SMDJ28CA		
200	28	5	31.1	34.4	5	45.4	110			SM6P28A	SM6P28C
200	30	1	33.3	36.8	1	48.4	103	5.0SMDJ30A	5.0SMDJ30CA		
200	30	5	33.3	36.8	5	48.4	103			SM6P30A	SM6P30C
200	33	1	36.7	40.6	1	53.3	93.9	5.0SMDJ33A	5.0SMDJ33CA		
200	33	5	36.7	40.6	5	53.3	94			SM6P33A	SM6P33C
200	36	1	40	44.2	1	58.1	86.1	5.0SMDJ36A	5.0SMDJ36CA		
200	36	5	40	44.2	5	58.1	86			SM6P36A	SM6P36C
200	40	1	44.4	49.1	1	64.5	77.6	5.0SMDJ40A	5.0SMDJ40CA		
200	40	5	44.4	49.1	5	64.5	78			SM6P40A	SM6P40C

PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
200	43	1	47.8	52.8	1	69.4	72.1	5.0SMDJ43A	5.0SMDJ43CA		
200	43	5	47.8	52.8	5	69.4	72			SM6P43A	SM6P43C
200	45	1	50	55.3	1	72.7	68.8	5.0SMDJ45A	5.0SMDJ45CA		
200	48	1	53.3	58.9	1	77.4	64.7	5.0SMDJ48A	5.0SMDJ48CA		
400	51	1	56.7	62.7	1	82.4	60.7	5.0SMDJ51A	5.0SMDJ51CA		
400	54	1	60	66.3	1	87.1	57.5	5.0SMDJ54A	5.0SMDJ54CA		
400	58	1	64.4	71.2	1	93.6	53.5	5.0SMDJ58A	5.0SMDJ58CA		
400	60	1	66.7	73.7	1	96.8	51.7	5.0SMDJ60A	5.0SMDJ60CA		
400	64	1	71.1	78.6	1	103	48.6	5.0SMDJ64A	5.0SMDJ64CA		
400	70	1	77.8	86	1	113	44.3	5.0SMDJ70A	5.0SMDJ70CA		
400	75	1	83.3	92.1	1	121	41.4	5.0SMDJ75A	5.0SMDJ75CA		
400	78	1	86.7	95.8	1	126	39.7	5.0SMDJ78A	5.0SMDJ78CA		
400	85	1	94.4	104	1	137	36.5	5.0SMDJ85A	5.0SMDJ85CA		
400	90	1	100	111	1	146	34.3	5.0SMDJ90A	5.0SMDJ90CA		
400	100	1	111	123	1	162	30.9	5.0SMDJ100A	5.0SMDJ100CA		
400	110	1	122	135	1	177	28.3	5.0SMDJ110A	5.0SMDJ110CA		
400	120	1	133	147	1	193	26	5.0SMDJ120A	5.0SMDJ120CA		
400	130	1	144	159	1	209	24	5.0SMDJ130A	5.0SMDJ130CA		
400	150	1	167	185	1	243	20.6	5.0SMDJ150A	5.0SMDJ150CA		
400	160	1	178	197	1	259	19.3	5.0SMDJ160A	5.0SMDJ160CA		
400	170	1	189	209	1	275	18.2	5.0SMDJ170A	5.0SMDJ170CA		
400	180	1	201	222	1	292	17.1	5.0SMDJ180A	5.0SMDJ180CA		
400	190	1	211	234	1	307	16.3	5.0SMDJ190A	5.0SMDJ190CA		
400	200	1	224	247	1	324	15.4	5.0SMDJ200A	5.0SMDJ200CA		
400	210	1	233	258	1	337	14.8	5.0SMDJ210A	5.0SMDJ210CA		
400	220	1	246	272	1	356	14	5.0SMDJ220A	5.0SMDJ220CA		
400	250	1	279	309	1	405	12.3	5.0SMDJ250A	5.0SMDJ250CA		
400	300	1	335	371	1	486	10.3	5.0SMDJ300A	5.0SMDJ300CA		
400	350	1	391	432	1	567	8.8	5.0SMDJ350A	5.0SMDJ350CA		
400	400	1	447	494	1	648	7.72	5.0SMDJ400A	5.0SMDJ400CA		
400	440	1	492	543	1	713	7.02	5.0SMDJ440A	5.0SMDJ440CA		
400	24	1	26.7	29.5	1	34	180		5.0SMDJ24CAP		
3000	5	800	6.4	7.1	10	20	3000	SM3K5A	SM3K5C		
3000	6	800	6.5	7.4	10	22	3000	SM3K6A	SM3K6C		
3000	30	1	32	37	1	65	1000	SM1K30CC			
3000	30	1	33.3	36.8	1	65	2000	SM2K30CC			
3000	33	1	36.7	40.6	1	70	2000	SM2K33CC			
3000	36	1	40	44.2	1	72	2000	SM2K36CC			
3000	36	1	40	44.5	1	72	1000	SM1K36CC			
3000	40	1	44.4	49.1	1	75	2000	SM2K40CC			
3000	43	1	47.5	53	1	80	1000	SM1K43CC			
3000	58	1	60	72	1	100	1000	SM1K58CC			
3000	64	1	71.1	78.6	1	135	1000	SM1K64CC			
3000	76	1	85	95	1	140	1000	SM1K76CC			
3000	58	1	64.4	71.2	1	100	10/700μs-40Ω				
3000	6.5	150	7.22	7.98	10	11.2	134	SMCJ6.5A	SMCJ6.5CA		
3000	7	100	7.78	8.6	10	12	125	SMCJ7.0A	SMCJ7.0CA		
3000	7.5	50	8.33	9.21	1	12.9	116.3	SMCJ7.5A	SMCJ7.5CA		
3000	8	30	8.89	9.83	1	13.6	110.3	SMCJ8.0A	SMCJ8.0CA		
3000	8.5	20	9.44	10.4	1	14.4	104.2	SMCJ8.5A	SMCJ8.5CA		
3000	9	10	10	11.1	1	15.4	97.4	SMCJ9.0A	SMCJ9.0CA		
3000	10	5	11.1	12.3	1	17	88.2	SMCJ10A	SMCJ10CA	SMCJ10A-AU	SMCJ10CA-AU
3000	11	2	12.2	13.5	1	18.2	82.4	SMCJ11A	SMCJ11CA	SMCJ11A-AU	SMCJ11CA-AU
3000	12	1	13.3	14.7	1	19.9	75.4	SMCJ12A	SMCJ12CA	SMCJ12A-AU	SMCJ12CA-AU
3000	13	1	14.4	15.9	1	21.5	69.8	SMCJ13A	SMCJ13CA	SMCJ13A-AU	SMCJ13CA-AU
3000	14	1	15.6	17.2	1	23.2	64.7	SMCJ14A	SMCJ14CA	SMCJ14A-AU	SMCJ14CA-AU
3000	15	1	16.7	18.5	1	24.4	61.5	SMCJ15A	SMCJ15CA	SMCJ15A-AU	SMCJ15CA-AU

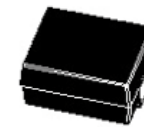
PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
3000	16	1	17.8	19.7	1	26	57.7	SMCJ16A	SMCJ16CA	SMCJ16A-AU	SMCJ16CA-AU
3000	17	1	18.9	20.9	1	27.6	54.4	SMCJ17A	SMCJ17CA	SMCJ17A-AU	SMCJ17CA-AU
3000	18	1	20	22.1	1	29.2	51.4	SMCJ18A	SMCJ18CA	SMCJ18A-AU	SMCJ18CA-AU
3000	20	1	22.2	24.5	1	32.4	46.3	SMCJ20A	SMCJ20CA	SMCJ20A-AU	SMCJ20CA-AU
3000	22	1	24.4	26.9	1	35.5	42.3	SMCJ22A	SMCJ22CA	SMCJ22A-AU	SMCJ22CA-AU
3000	24	1	26.7	29.5	1	38.9	38.6	SMCJ24A	SMCJ24CA	SMCJ24A-AU	SMCJ24CA-AU
3000	26	1	28.9	31.9	1	42.1	35.6	SMCJ26A	SMCJ26CA	SMCJ26A-AU	SMCJ26CA-AU
3000	28	1	31.1	34.4	1	45.4	33.1	SMCJ28A	SMCJ28CA	SMCJ28A-AU	SMCJ28CA-AU
3000	30	1	33.3	36.8	1	48.4	31	SMCJ30A	SMCJ30CA	SMCJ30A-AU	SMCJ30CA-AU
3000	33	1	36.7	40.6	1	53.3	28.2	SMCJ33A	SMCJ33CA	SMCJ33A-AU	SMCJ33CA-AU
3000	36	1	40	44.2	1	58.1	25.8	SMCJ36A	SMCJ36CA	SMCJ36A-AU	SMCJ36CA-AU
3000	40	1	44.4	49.1	1	64.5	23.3	SMCJ40A	SMCJ40CA	SMCJ40A-AU	SMCJ40CA-AU
3000	43	1	47.8	52.8	1	69.4	21.6	SMCJ43A	SMCJ43CA	SMCJ43A-AU	SMCJ43CA-AU
3000	45	1	50	55.3	1	72.7	20.6	SMCJ45A	SMCJ45CA	SMCJ45A-AU	SMCJ45CA-AU
3000	48	1	53.3	58.9	1	77.4	19.4	SMCJ48A	SMCJ48CA	SMCJ48A-AU	SMCJ48CA-AU
3000	51	1	56.7	62.7	1	82.4	18.2	SMCJ51A	SMCJ51CA	SMCJ51A-AU	SMCJ51CA-AU
3000	54	1	60	66.3	1	87.1	17.2	SMCJ54A	SMCJ54CA	SMCJ54A-AU	SMCJ54CA-AU
3000	58	1	64.4	71.2	1	93.6	16.1	SMCJ58A	SMCJ58CA	SMCJ58A-AU	SMCJ58CA-AU
3000	60	1	66.7	73.7	1	96.8	15.5	SMCJ60A	SMCJ60CA	SMCJ60A-AU	SMCJ60CA-AU
3000	64	1	71.1	78.6	1	103	14.6	SMCJ64A	SMCJ64CA	SMCJ64A-AU	SMCJ64CA-AU
3000	70	1	77.8	86	1	113	13.3	SMCJ70A	SMCJ70CA	SMCJ70A-AU	SMCJ70CA-AU
3000	75	1	83.3	92.1	1	121	12.4	SMCJ75A	SMCJ75CA	SMCJ75A-AU	SMCJ75CA-AU
3000	78	1	86.7	95.8	1	126	11.9	SMCJ78A	SMCJ78CA	SMCJ78A-AU	SMCJ78CA-AU
3000	85	1	94.4	104	1	137	11	SMCJ85A	SMCJ85CA	SMCJ85A-AU	SMCJ85CA-AU
3000	90	1	100	111	1	146	10.3	SMCJ90A	SMCJ90CA	SMCJ90A-AU	SMCJ90CA-AU
3000	100	1	111	123	1	162	9.3	SMCJ100A	SMCJ100CA	SMCJ100A-AU	SMCJ100CA-AU
3000	110	1	122	135	1	177	8.5	SMCJ110A	SMCJ110CA	SMCJ110A-AU	SMCJ110CA-AU
5000	120	1	133	147	1	193	7.8	SMCJ120A	SMCJ120CA	SMCJ120A-AU	SMCJ120CA-AU
5000	130	1	144	159	1	209	7.2	SMCJ130A	SMCJ130CA	SMCJ130A-AU	SMCJ130CA-AU
5000	150	1	167	185	1	243	6.2	SMCJ150A	SMCJ150CA	SMCJ150A-AU	SMCJ150CA-AU
5000	160	1	178	197	1	259	5.8	SMCJ160A	SMCJ160CA	SMCJ160A-AU	SMCJ160CA-AU
5000	170	1	189	209	1	275	5.5	SMCJ170A	SMCJ170CA	SMCJ170A-AU	SMCJ170CA-AU
5000	180	1	201	222	1	292	5.2	SMCJ180A	SMCJ180CA	SMCJ180A-AU	SMCJ180CA-AU
5000	190	1	211	234	1	307	4.9	SMCJ190A	SMCJ190CA	SMCJ190A-AU	SMCJ190CA-AU
5000	200	1	224	247	1	324	4.7	SMCJ200A	SMCJ200CA	SMCJ200A-AU	SMCJ200CA-AU
5000	210	1	233	258	1	337	4.5	SMCJ210A	SMCJ210CA	SMCJ210A-AU	SMCJ210CA-AU
5000	220	1	246	272	1	356	4.2	SMCJ220A	SMCJ220CA	SMCJ220A-AU	SMCJ220CA-AU
5000	250	1	279	309	1	405	3.7	SMCJ250A	SMCJ250CA	SMCJ250A-AU	SMCJ250CA-AU
5000	300	1	335	371	1	486	3.1	SMCJ300A	SMCJ300CA	SMCJ300A-AU	SMCJ300CA-AU
5000	350	1	391	432	1	567	2.7	SMCJ350A	SMCJ350CA	SMCJ350A-AU	SMCJ350CA-AU
5000	400	1	447	494	1	648	2.3	SMCJ400A	SMCJ400CA	SMCJ400A-AU	SMCJ400CA-AU
5000	440	1	492	543	1	713	2.1	SMCJ440A	SMCJ440CA	SMCJ440A-AU	SMCJ440CA-AU
5000	5	800	6.4	7	10	9.2	326.1	SMDJ5.0A	SMDJ5.0CA		
5000	6	800	6.67	7.37	10	10.3	291.3	SMDJ6.0A	SMDJ6.0CA		
5000	6.5	500	7.22	7.98	10	11.2	267.9	SMDJ6.5A	SMDJ6.5CA		
5000	7	200	7.78	8.6	10	12	250	SMDJ7.0A	SMDJ7.0CA		
5000	7.5	100	8.33	9.21	1	12.9	232.6	SMDJ7.5A	SMDJ7.5CA		
5000	8	50	8.89	9.83	1	13.6	220.6	SMDJ8.0A	SMDJ8.0CA		
5000	8.5	20	9.44	10.4	1	14.4	208.3	SMDJ8.5A	SMDJ8.5CA		
5000	9	10	10	11.1	1	15.4	194.8	SMDJ9.0A	SMDJ9.0CA		
5000	10	5	11.1	12.3	1	17	176.5	SMDJ10A	SMDJ10CA		
5000	11	1	12.2	13.5	1	18.2	164.8	SMDJ11A	SMDJ11CA		
5000	12	1	13.3	14.7	1	19.9	150.8	SMDJ12A	SMDJ12CA		
5000	12	5	13.3	14.7	1	19.9	150.8			SMDJ12A-AU	SMDJ12CA-AU
5000	13	1	14.4	15.9	1	21.5	139.5	SMDJ13A	SMDJ13CA		
5000	13	5	14.4	15.9	1	21.5	139.5			SMDJ13A-AU	SMDJ13CA-AU
5000	14	1	15.6	17.2	1	23.2	129.3	SMDJ14A	SMDJ14CA		

PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
5000	14	5	15.6	17.2	1	23.2	129.3			SMDJ14A-AU	SMDJ14CA-AU
5000	15	1	16.7	18.5	1	24.4	123	SMDJ15A	SMDJ15CA		
5000	15	5	16.7	18.5	1	24.4	123			SMDJ15A-AU	SMDJ15CA-AU
5000	16	1	17.8	19.7	1	26	115.4	SMDJ16A	SMDJ16CA		
5000	16	5	17.8	19.7	1	26	115.4			SMDJ16A-AU	SMDJ16CA-AU
5000	17	1	18.9	20.9	1	27.6	108.7	SMDJ17A	SMDJ17CA		
5000	17	5	18.9	20.9	1	27.6	108.7			SMDJ17A-AU	SMDJ17CA-AU
5000	18	1	20	22.1	1	29.2	102.7	SMDJ18A	SMDJ18CA		
5000	18	5	20	22.2	1	29.2	102.7			SMDJ18A-AU	SMDJ18CA-AU
5000	20	1	22.2	24.5	1	32.4	92.6	SMDJ20A	SMDJ20CA		
5000	20	5	22.2	24.5	1	32.4	92.6			SMDJ20A-AU	SMDJ20CA-AU
5000	22	1	24.4	26.9	1	35.5	84.5	SMDJ22A	SMDJ22CA		
5000	22	5	24.4	26.9	1	35.5	84.5			SMDJ22A-AU	SMDJ22CA-AU
5000	24	1	26.7	29.5	1	38.9	77.1	SMDJ24A	SMDJ24CA		
5000	24	5	26.7	29.5	1	38.9	77.1			SMDJ24A-AU	SMDJ24CA-AU
5000	26	1	28.9	31.9	1	42.1	71.3	SMDJ26A	SMDJ26CA		
5000	26	5	28.9	31.9	1	42.1	71.3			SMDJ26A-AU	SMDJ26CA-AU
5000	28	1	31.1	34.4	1	45.4	66.1	SMDJ28A	SMDJ28CA		
5000	28	5	31.1	34.4	1	45.4	66.1			SMDJ28A-AU	SMDJ28CA-AU
5000	30	1	33.3	36.8	1	48.4	62	SMDJ30A	SMDJ30CA		
5000	30	5	33.3	36.8	1	48.4	62			SMDJ30A-AU	SMDJ30CA-AU
5000	33	1	36.7	40.6	1	53.3	56.3	SMDJ33A	SMDJ33CA		
5000	33	5	36.7	40.6	1	53.3	56.3			SMDJ33A-AU	SMDJ33CA-AU
5000	36	1	40	44.2	1	58.1	51.6	SMDJ36A	SMDJ36CA		
5000	36	5	40	44.2	1	58.1	51.6			SMDJ36A-AU	SMDJ36CA-AU
5000	40	1	44.4	49.1	1	64.5	46.5	SMDJ40A	SMDJ40CA		
5000	40	5	44.4	49.1	1	64.5	46.5			SMDJ40A-AU	SMDJ40CA-AU
5000	43	1	47.8	52.8	1	69.4	43.2	SMDJ43A	SMDJ43CA		
5000	43	5	47.8	52.8	1	69.4	43.2			SMDJ43A-AU	SMDJ43CA-AU
5000	45	1	50	55.3	1	72.7	41.3	SMDJ45A	SMDJ45CA		
6600	48	1	53.3	58.9	1	77.4	38.8	SMDJ48A	SMDJ48CA		
6600	48	5	53.3	58.9	1	77.4	38.8			SMDJ48A-AU	SMDJ48CA-AU
6600	51	1	56.7	62.7	1	82.4	36.4	SMDJ51A	SMDJ51CA		
6600	51	5	56.7	62.7	1	82.4	36.4			SMDJ51A-AU	SMDJ51CA-AU
6600	54	1	60	66.3	1	87.1	34.4	SMDJ54A	SMDJ54CA		
6600	54	5	60	66.3	1	87.1	34.4			SMDJ54A-AU	SMDJ54CA-AU
6600	58	1	64.4	71.2	1	93.6	32.1	SMDJ58A	SMDJ58CA		
6600	58	5	64.4	71.2	1	93.6	32.1			SMDJ58A-AU	SMDJ58CA-AU
6600	60	1	66.7	73.7	1	96.8	31	SMDJ60A	SMDJ60CA		
6600	64	1	71.1	78.6	1	103	29.1	SMDJ64A	SMDJ64CA		
6600	70	1	77.8	86	1	113	26.5	SMDJ70A	SMDJ70CA		
6600	75	1	83.3	92.1	1	121	24.8	SMDJ75A	SMDJ75CA		
6600	78	1	86.7	95.8	1	126	23.8	SMDJ78A	SMDJ78CA		
6600	85	1	94.4	104	1	137	21.9	SMDJ85A	SMDJ85CA		
6600	90	1	100	111	1	146	20.5	SMDJ90A	SMDJ90CA		
6600	100	1	111	123	1	162	18.5	SMDJ100A	SMDJ100CA		
7000	45	5	50	55.3	1	72.7	41.3			SMDJ45A-AU	SMDJ45CA-AU

Transient Voltage Suppressors

Parameter	Range	Unit
P _{PP}	400 - 6600	[W]
I _{PP}	95.1 - 284	[A]
V _R	14 - 43	[V]
V _{BR_Min}	15.6 - 47.8	[V]
I _T	5	[mA]

SMT



PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Automotive	
								Uni-Directional	Bi-Directional
400	14	5	15.6	17.2	5	23.2	284	SMTJ14AT-8S	SMTJ14CAT-8S
400	15	5	16.7	18.5	5	24.4	270	SMTJ15AT-8S	SMTJ15CAT-8S
400	16	5	17.8	19.7	5	26	253	SMTJ16AT-8S	SMTJ16CAT-8S
6600	17	5	18.9	20.9	5	27.6	239	SMTJ17AT-8S	SMTJ17CAT-8S
6600	18	5	20	22.1	5	29.2	226	SMTJ18AT-8S	SMTJ18CAT-8S
6600	20	5	22.2	24.5	5	32.4	204	SMTJ20AT-8S	SMTJ20CAT-8S
6600	22	5	24.4	26.9	5	35.5	186	SMTJ22AT-8S	SMTJ22CAT-8S
6600	24	5	26.7	29.5	5	38.9	170	SMTJ24AT-8S	SMTJ24CAT-8S
6600	26	5	28.9	31.9	5	42.1	157	SMTJ26AT-8S	SMTJ26CAT-8S
6600	27	5	30	33.2	5	43.8	150	SMTJ27AT-8S	SMTJ27CAT-8S
6600	28	5	31.1	34.4	5	45.4	145	SMTJ28AT-8S	SMTJ28CAT-8S
6600	30	5	33.3	36.8	5	48.4	136	SMTJ30AT-8S	SMTJ30CAT-8S
6600	33	5	36.7	40.6	5	53.3	124	SMTJ33AT-8S	SMTJ33CAT-8S
6600	36	5	40	44.2	5	58.1	114	SMTJ36AT-8S	SMTJ36CAT-8S
6600	40	5	44.4	49.1	5	64.5	102	SMTJ40AT-8S	SMTJ40CAT-8S
6600	43	5	47.8	52.8	5	69.4	95.1	SMTJ43AT-8S	SMTJ43CAT-8S

Parameter	Range	Unit
P _{PP}	8/20us	[W]
I _{PP}	8/20us	[A]
V _R	36 - 86	[V]
V _{BR_Min}	40 - 95	[V]
I _T	10	[mA]

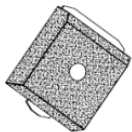
SMT-4



PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial
								Bi-Directional
8/20μs	36	5	40	45	10	90	8/20μs	SMTJ36CAT-Z
8/20μs	48	5	50	59	10	105	8/20μs	SMTJ48CAT-Z
8/20μs	58	5	64	70	10	120	8/20μs	SMTJ58CAT-Z
8/20μs	66	5	72	80	10	130	8/20μs	SMTJ66CAT-Z
8/20μs	76	5	85	95	10	150	8/20μs	SMTJ76CAT-Z
8/20μs	86	5	95	105	10	170	8/20μs	SMTJ86CAT-Z

Parameter	Range	Unit
P _{PP}	8/20us	[W]
I _{PP}	8/20us	[A]
V _R	58 - 86	[V]
V _{BR_Min}	64 - 95	[V]
I _T	10	[mA]

SMT0-218Tab



PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial
								Bi-Directional
8/20μs	58	10	64	70	10	110	8/20μs	AK10-058CS
8/20μs	66	10	72	80	10	120	8/20μs	AK10-066CS
8/20μs	76	10	85	95	10	140	8/20μs	AK10-076CS
8/20μs	86	10	95	105	10	157	8/20μs	AK10-086CS

Parameter	Range	Unit
P _{PP}	200 - 400	[W]
I _{PP}	0.5 - 200	[A]
V _R	3.3 - 220	[V]
V _{BR_Min}	4.1 - 246	[V]
I _T	1 - 10	[mA]

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PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
200	3.3	50	4.1	6.2	1	7.3	27	SMF3.3A			
200	5	100	6.4	7	10	9.2	21.7	SMF5.0A	SMF5.0CA		
200	6	100	6.67	7.37	10	10.3	19.4	SMF6.0A	SMF6.0CA		
200	6.5	30	7.22	7.98	10	11.2	17.9	SMF6.5A	SMF6.5CA		
200	7	10	7.78	8.6	10	12	16.7	SMF7.0A	SMF7.0CA		
200	7.5	5	8.33	9.21	1	12.9	15.5	SMF7.5A	SMF7.5CA		
200	8	2	8.89	9.83	1	13.6	14.7	SMF8.0A	SMF8.0CA		
200	8.5	2	9.44	10.4	1	14.4	13.8	SMF8.5A	SMF8.5CA		
200	9	2	10	11.1	1	15.4	13	SMF9.0A	SMF9.0CA		
200	10	1	11.1	12.3	1	17	11.8	SMF10A	SMF10CA	SMF10A-AU	SMF10CA-AU
200	11	1	12.2	13.5	1	18.2	11	SMF11A	SMF11CA	SMF11A-AU	SMF11CA-AU
200	12	1	13.3	14.7	1	19.9	10.1	SMF12A	SMF12CA	SMF12A-AU	SMF12CA-AU
200	13	1	14.4	15.9	1	21.5	9.3	SMF13A	SMF13CA	SMF13A-AU	SMF13CA-AU
200	14	1	15.6	17.2	1	23.2	8.6	SMF14A	SMF14CA	SMF14A-AU	SMF14CA-AU
200	15	1	16.7	18.5	1	24.4	8.2	SMF15A	SMF15CA	SMF15A-AU	SMF15CA-AU
200	16	1	17.8	19.7	1	26	7.7	SMF16A	SMF16CA	SMF16A-AU	SMF16CA-AU
200	17	1	18.9	20.9	1	27.6	7.2	SMF17A	SMF17CA	SMF17A-AU	SMF17CA-AU
200	18	1	20	22.1	1	29.2	6.8	SMF18A	SMF18CA	SMF18A-AU	SMF18CA-AU
200	20	1	22.2	24.5	1	32.4	6.2	SMF20A	SMF20CA	SMF20A-AU	SMF20CA-AU
200	22	1	24.4	26.9	1	35.5	5.6	SMF22A	SMF22CA	SMF22A-AU	SMF22CA-AU
200	24	1	26.7	29.5	1	38.9	5.1	SMF24A	SMF24CA	SMF24A-AU	SMF24CA-AU
200	26	1	28.9	31.9	1	42.1	4.8	SMF26A	SMF26CA	SMF26A-AU	SMF26CA-AU
200	28	1	31.1	34.4	1	45.4	4.4	SMF28A	SMF28CA	SMF28A-AU	SMF28CA-AU
200	30	1	33.3	36.8	1	48.4	4.1	SMF30A	SMF30CA	SMF30A-AU	SMF30CA-AU
200	33	1	36.7	40.6	1	53.3	3.8	SMF33A	SMF33CA	SMF33A-AU	SMF33CA-AU
200	36	1	40	44.2	1	58.1	3.4	SMF36A	SMF36CA	SMF36A-AU	SMF36CA-AU
200	40	1	44.4	49.1	1	64.5	3.1	SMF40A	SMF40CA	SMF40A-AU	SMF40CA-AU
200	43	1	47.8	52.8	1	69.4	2.8	SMF43A	SMF43CA	SMF43A-AU	SMF43CA-AU
200	45	1	50	55.3	1	72.7	2.7	SMF45A	SMF45CA	SMF45A-AU	SMF45CA-AU
200	48	1	53.3	58.9	1	77.4	2.6	SMF48A	SMF48CA	SMF48A-AU	SMF48CA-AU
200	51	1	56.7	62.7	1	82.4	2.4	SMF51A	SMF51CA	SMF51A-AU	SMF51CA-AU
200	54	1	60	66.3	1	87.1	2.3	SMF54A	SMF54CA	SMF54A-AU	SMF54CA-AU
200	58	1	64.4	71.2	1	93.6	2.1	SMF58A	SMF58CA	SMF58A-AU	SMF58CA-AU
200	60	1	66.7	73.7	1	96.8	2	SMF60A	SMF60CA	SMF60A-AU	SMF60CA-AU
200	64	1	71.1	78.6	1	103	1.9	SMF64A	SMF64CA	SMF64A-AU	SMF64CA-AU
200	70	1	77.8	86	1	113	1.8	SMF70A	SMF70CA	SMF70A-AU	SMF70CA-AU
200	75	1	83.3	92.1	1	121	1.7	SMF75A	SMF75CA	SMF75A-AU	SMF75CA-AU
200	78	1	86.7	95.8	1	126	1.6	SMF78A	SMF78CA	SMF78A-AU	SMF78CA-AU
200	85	1	94.4	104	1	137	1.5	SMF85A	SMF85CA	SMF85A-AU	SMF85CA-AU
200	90	1	100	111	1	146	1.4	SMF90A	SMF90CA	SMF90A-AU	SMF90CA-AU

PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
200	100	1	111	123	1	162	1.2	SMF100A	SMF100CA	SMF100A-AU	SMF100CA-AU
200	110	1	122	135	1	177	1.1	SMF110A	SMF110CA	SMF110A-AU	SMF110CA-AU
200	120	1	133	147	1	193	1	SMF120A	SMF120CA	SMF120A-AU	SMF120CA-AU
200	130	1	144	159	1	209	0.9	SMF130A	SMF130CA	SMF130A-AU	SMF130CA-AU
200	150	1	167	185	1	243	0.8	SMF150A	SMF150CA	SMF150A-AU	SMF150CA-AU
200	160	1	178	197	1	259	0.8	SMF160A	SMF160CA	SMF160A-AU	SMF160CA-AU
200	170	1	189	209	1	275	0.7	SMF170A	SMF170CA	SMF170A-AU	SMF170CA-AU
200	180	1	201	222	1	292	0.7	SMF180A	SMF180CA	SMF180A-AU	SMF180CA-AU
200	200	1	224	247	1	324	0.6	SMF200A	SMF200CA	SMF200A-AU	SMF200CA-AU
400	9	5	10	11.1	1	15.4	24.1	SMF220A	SMF220CA	SMF220A-AU	SMF220CA-AU
400	10	2	11.1	12.3	1	17	23.5	SMF10AL	SMF10CAL	SMF10AL-AU	SMF10CAL-AU
400	11	1	12.2	13.5	1	18.2	22	SMF11AL	SMF11CAL	SMF11AL-AU	SMF11CAL-AU
400	12	1	13.3	14.7	1	19.9	20.1	SMF12AL	SMF12CAL	SMF12AL-AU	SMF12CAL-AU
400	13	1	14.4	15.9	1	21.5	18.6	SMF13AL	SMF13CAL	SMF13AL-AU	SMF13CAL-AU
400	14	1	15.6	17.2	1	23.2	17.2	SMF14AL	SMF14CAL	SMF14AL-AU	SMF14CAL-AU
400	15	1	16.7	18.5	1	24.4	16.4	SMF15AL	SMF15CAL	SMF15AL-AU	SMF15CAL-AU
400	16	1	17.8	19.7	1	26	15.4			SMF16AL-AU	SMF16CAL-AU
400	17	1	18.9	20.9	1	27.6	14.5			SMF17AL-AU	SMF17CAL-AU
400	18	1	20	22.1	1	29.2	13.7	SMF18AL	SMF18CAL	SMF18AL-AU	SMF18CAL-AU
400	20	1	22.2	24.5	1	32.4	12.3	SMF20AL	SMF20CAL	SMF20AL-AU	SMF20CAL-AU
400	22	1	24.4	26.9	1	35.5	11.3	SMF22AL	SMF22CAL	SMF22AL-AU	SMF22CAL-AU
400	24	1	26.7	29.5	1	38.9	10.3	SMF24AL	SMF24CAL	SMF24AL-AU	SMF24CAL-AU
400	26	1	28.9	31.9	1	42.1	9.5	SMF26AL	SMF26CAL	SMF26AL-AU	SMF26CAL-AU
400	28	1	31.1	34.4	1	45.4	8.8	SMF28AL	SMF28CAL	SMF28AL-AU	SMF28CAL-AU
400	30	1	33.3	36.8	1	48.4	8.3	SMF30AL	SMF30CAL	SMF30AL-AU	SMF30CAL-AU
400	33	1	36.7	40.6	1	53.3	7.5	SMF33AL	SMF33CAL	SMF33AL-AU	SMF33CAL-AU
400	36	1	40	44.2	1	58.1	6.9	SMF36AL	SMF36CAL	SMF36AL-AU	SMF36CAL-AU
400	40	1	44.4	49.1	1	64.5	6.2	SMF40AL	SMF40CAL	SMF40AL-AU	SMF40CAL-AU
400	43	1	47.8	52.8	1	69.4	5.8	SMF43AL	SMF43CAL	SMF43AL-AU	SMF43CAL-AU
400	45	1	50	55.3	1	72.7	5.5	SMF45AL	SMF45CAL	SMF45AL-AU	SMF45CAL-AU
400	48	1	53.3	58.9	1	77.4	5.2	SMF48AL	SMF48CAL	SMF48AL-AU	SMF48CAL-AU
400	51	1	56.7	62.7	1	82.4	4.9	SMF51AL			SMF51AL-AU
400	58	1	64.4	71.2	1	93.6	4.3	SMF58AL			SMF58AL-AU
400	60	1	66.7	73.7	1	96.8	4.1	SMF60AL			SMF60AL-AU
400	64	1	71.1	78.6	1	103	3.9	SMF64AL			SMF64AL-AU
400	70	1	77.8	86	1	113	3.5	SMF70AL			SMF70AL-AU
400	75	1	83.3	92.1	1	121	3.3	SMF75AL			SMF75AL-AU
400	78	1	86.7	95.8	1	126	3.2	SMF78AL			SMF78AL-AU
400	85	1	94.4	104	1	137	2.9	SMF85AL			SMF85AL-AU
200A 1.2/50μs-2Ω	7	1	8	10	1	18	200	JEU07D1FT	JEB07D1FT		
200A 1.2/50μs-2Ω	9	1	9.5	11.5	1	23	200	JEB09D1FT			
200A 1.2/50μs-2Ω	12	1	13	15	1	28	200	JEU12D1FT	JEB12D1FT		
200A 1.2/50μs-2Ω	15	1	16.5	19.5	1	30	200	JEU15D1FT	JEB15D1FT		
200A 1.2/50μs-2Ω	18	1	19.5	23.5	1	33	200	JEU18D1FT	JEB18D1FT		
200A 1.2/50μs-2Ω	20	1	22.2	24.5	1	33	200	JEB20D1FT			
200A 1.2/50μs-2Ω	24	1	25	30	1	32	200	JEB24D1FT			
200A 1.2/50μs-2Ω	24	1	25	30	1	34	200	JEU24D1FT			

Thyristor Surge Suppressors (TSS)

Thyristor Surge Suppressors (TSS) is a two end overvoltage protection device based on the principle and structure of SCR, which is used to protect circuit equipment under dangerous transient conditions. Czech made use of the latest progress of thyristor technology and used ion implantation technology on solid state discharge tubes. In the case of normal work, the TSS in parallel with the protected equipment shows a high breakdown impedance, and the leakage current is very small, so it does not have any effect on the circuit protected by it. When the two ends are applied more than the transition voltage (Vs), the TSS will quickly lead to a short-circuit state, thereby reducing the amplification current to protect other devices. When the current flowing through the device is interrupted or dropped to less than TSS's current (In), the TSS is reset and returned to the high blocking state.

Switch type device, reaction speed nanosecond level.

Over voltage energy varies from 1KV-15KV.

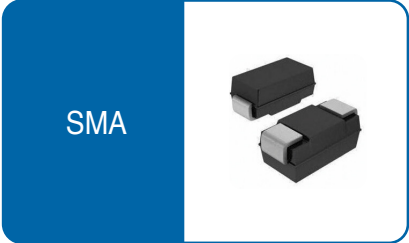
From 8V-2300V, voltage can customize different requirements parameter specifications for customer needs.

Parameter	Range	Unit
V _{PP}	2000 - 4000	[V]
V _{DRM_Min}	25 -400	[V]
V _{S_Max}	40 - 520	[V]
I _{S_Max}	200 - 800	[mA]
I _{DRM_Max}	1 - 5	[uA]



Product Name	VPP (V) (10/700μs@40Ω)	IDRM_Max (μA)	@ VDRM_Min (V)	VS_Max (V)	IS_Max (mA)	VT_Max (V)	IT_Max (mA)	IH_Min (mA)
P0300DM	2000	5	25	40	800	4	2.2	50(typ)
P3500DM	2000	5	280	400	800	4	2.2	10
P0641DM	2000	1	60	80	200	4	2.2	100
P1301DM	2000	1	120	160	800	5	1	120
P1801DM	2000	1	170	250	800	5	1	120
P3500DB	4000	5	320	400	800	4	2.2	10(typ)
P4200DB	4000	5	400	520	800	4	2.2	10(typ)
P0321FAP	//	1	28	40	200	1.8	2.2	30max
P0401FAP	//	1	33	48	200	1.8	2.2	30max
P0501FAP	//	1	53	60	200	1.8	2.2	30max
P0641FAP	//	1	60	80	200	1.8	2.2	30max
P0721FAP	//	1	75	88	200	1.8	2.2	50max
P0901FAP	//	1	85	100	200	1.8	2.2	50max
P1101FAP	//	1	95	115	200	1.8	2.2	50max
P1301FAP	//	1	120	140	200	1.8	2.2	50max
P1801FAP	//	1	175	210	200	1.8	2.2	50max
P2501FAP	//	1	220	250	200	1.8	2.2	50max

Parameter	Range	Unit
V _{PP}	2000 - 6000	[V]
V _{DRM_Min}	6 - 400	[V]
V _{S_Max}	15 - 520	[V]
I _{S_Max}	200 - 800	[mA]
I _{DRM_Max}	1 - 5	[uA]



Product Name	VPP (V) (10/700µs@40Ω)	IDRM_Max (µA)	@ VDRM_Min (V)	VS_Max (V)	IS_Max (mA)	VT_Max (V)	IT_Max (mA)	IH_Min (mA)
CP0080TAC	2000	1	6	15	800	4	.2	10
CP0080TBC	4000	1	6	15	800	4	2.2	50
CP0080TCC	6000	1	6	15	800	4	2.2	50
CP0080TBA	4000	1	6	15	800	4	2.2	10
CP0080ABN	4000	1	6	15	800	4	2.2	50
CP3800SM	2000	1	340	450	800	4	2.2	120
P0220A	2000	5	22	30	800	4	2.2	50max
P0300SA	3000	1	25	40	800	4	2.2	50typ
P0640SA	4000	1	58	77	800	4	2.2	120
P0720SA	4000	1	65	87	800	4	2.2	120
P0900SA	4000	1	75	98	800	4	2.2	120
P1100SA	4000	1	90	130	800	4	2.2	120
P1300SA	4000	1	120	160	800	4	2.2	120
P1500SA	4000	1	140	180	800	4	2.2	120
P1800SA	4000	1	170	220	800	4	2.2	120
P2300SA	4000	1	190	260	800	4	2.2	120
P2600SA	4000	1	220	300	800	4	2.2	120
P3100SA	4000	1	275	350	800	4	2.2	120
P3500SA	4000	1	320	400	800	4	2.2	120
P0080CES	6000	1	6	15	800	4	2.2	30
CP0640SA	4000	1	58	77	800	4	2.2	120
CP0720SA	4000	1	65	87	800	4	2.2	120
CP0900SA	4000	1	75	98	800	4	2.2	120
CP1100SA	4000	1	90	130	800	4	2.2	120
CP1300SA	4000	1	120	160	800	4	2.2	120
CP1500SA	4000	1	140	180	800	4	2.2	120
CP1800SA	4000	1	170	220	800	4	2.2	120
CP2300SA	4000	1	190	260	800	4	2.2	120
CP2600SA	4000	1	220	300	800	4	2.2	120
CP3100SA	4000	1	275	350	800	4	2.2	120
CP3500SA	4000	1	320	400	800	4	2.2	120
P0321SAP	//	1	28	40	200	1.8	2.2	30max
P0401SAP	//	1	33	48	200	1.8	2.2	30max
P0501SAP	//	1	53	60	200	1.8	2.2	30max
P0641SAP	//	1	60	80	200	1.8	2.2	30max
P0721SBP	//	1	75	88	200	1.8	2.2	50max
P0901SBP	//	1	85	100	200	1.8	2.2	50max
P1101SBP	//	1	95	115	200	1.8	2.2	50max
P1301SBP	//	1	120	140	200	1.8	2.2	50max
P1801SBP	//	1	175	210	200	1.8	2.2	50max

Product Name	VPP (V) (10/700µs@40Ω)	IDRM_Max (µA)	@ VDRM_Min (V)	VS_Max (V)	IS_Max (mA)	VT_Max (V)	IT_Max (mA)	IH_Min (mA)
P2501SBP	//	1	220	250	200	1.8	2.2	50max
P4200TB	4000	5	400	520	800	4	2.2	100max
P4200TC	6000	5	400	520	800	4	2.2	100max

Parameter	Range	Unit
V _{PP}	4000 - 8000	[V]
V _{DRM_Min}	6 - 750	[V]
V _{S_Max}	15 - 1000	[V]
I _{S_Max}	800	[mA]
I _{DRM_Max}	1 - 5	[uA]



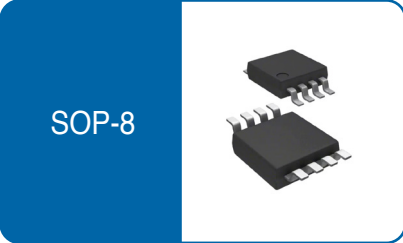
Product Name	VPP (V) (10/700µs@40Ω)	IDRM_Max (µA)	@ VDRM_Min (V)	VS_Max (V)	IS_Max (mA)	VT_Max (V)	IT_Max (mA)	IH_Min (mA)
P0220SB	4000	1	18	30	800	4	2.2	30
P0300SB	4000	1	25	40	800	4	2.2	30
P0640SB	4000	1	58	77	800	4	2.2	120
P0720SB	4000	1	66	87	800	4	2.2	120
P0900SB	4000	1	75	98	800	4	2.2	120
P1100SB	4000	1	90	130	800	4	2.2	120
P1300SB	4000	1	120	160	800	4	2.2	120
P1500SB	4000	1	140	180	800	4	2.2	120
P1800SB	4000	1	170	220	800	4	2.2	120
P2300SB	4000	1	190	260	800	4	2.2	120
P2600SB	4000	1	220	300	800	4	2.2	120
P3100SB	4000	1	275	350	800	4	2.2	120
P3500SB	4000	1	320	400	800	4	2.2	120
P3800SB	4000	1	340	450	800	4	2.2	120
P0300SBA	4000	1	28	40	800	4	2.2	50
CP0080SBC	4000	1	6	15	800	4	2.2	50
CP0080TBD	8000	1	6	15	800	4	2.2	50
CP0220SB	4000	1	18	30	800	4	2.2	30
CP0300SB	4000	1	25	40	800	4	2.2	30
CP0640SB	4000	1	58	77	800	4	2.2	120
CP0720SB	4000	1	66	87	800	4	2.2	120
CP0900SB	4000	1	75	98	800	4	2.2	120
CP1100SB	4000	1	90	130	800	4	2.2	120
CP1300SB	4000	1	120	160	800	4	2.2	120
CP1500SB	4000	1	140	180	800	4	2.2	120
CP1800SB	4000	1	170	220	800	4	2.2	120
CP2300SB	4000	1	190	260	800	4	2.2	120
CP2600SB	4000	1	220	300	800	4	2.2	120
CP3100SB	4000	1	275	350	800	4	2.2	120
CP3500SB	4000	1	320	400	800	4	2.2	120
CP3800SB	4000	1	340	450	800	4	2.2	120
CP4200SB	4000	1	400	520	800	4	2.2	100max
P0220SC	6000	1	18	30	800	4	2.2	30
P0300SC	6000	1	25	40	800	4	2.2	30
P0500SC	6000	1	39	48	800	4	2.2	20
P0640SC	6000	1	58	77	800	4	2.2	120
P0640SE	6000	1	58	77	800	4	2.2	50
P0720SC	6000	1	65	87	800	4	2.2	120
P0900SC	6000	1	75	98	800	4	2.2	120
P1100SC	6000	1	90	130	800	4	2.2	120

Product Name	VPP (V) (10/700µs@40Ω)	IDRM_Max (µA)	@ VDRM_Min (V)	VS_Max (V)	IS_Max (mA)	VT_Max (V)	IT_Max (mA)	IH_Min (mA)
P1300SC	6000	1	120	160	800	4	2.2	120
P1500SC	6000	1	140	180	800	4	2.2	120
P1800SC	6000	1	170	220	800	4	2.2	120
P2300SC	6000	1	190	260	800	4	2.2	120
P2600SC	6000	1	220	300	800	4	2.2	120
P3100SC	6000	1	275	350	800	4	2.2	120
P3500SC	6000	1	320	400	800	4	2.2	120
P3800SC	6000	1	340	450	800	4	2.2	120
CP0080SC	6000	1	6	15	800	4	2.2	30
CP0220SC	6000	1	18	30	800	4	2.2	30
CP0300SC	6000	1	25	40	800	4	2.2	30
CP0640SC	6000	1	58	77	800	4	2.2	120
CP0720SC	6000	1	65	87	800	4	2.2	120
CP0900SC	6000	1	75	98	800	4	2.2	120
CP1100SC	6000	1	90	130	800	4	2.2	120
CP1300SC	6000	1	120	160	800	4	2.2	120
CP1500SC	6000	1	140	180	800	4	2.2	120
CP1800SC	6000	1	170	220	800	4	2.2	120
CP2300SC	6000	1	190	260	800	4	2.2	120
CP2600SC	6000	1	220	300	800	4	2.2	120
CP3100SC	6000	1	275	350	800	4	2.2	120
CP3500SC	6000	1	320	400	800	4	2.2	120
CP3800SC	6000	1	340	450	800	4	2.2	120
CP4200SC	6000	1	400	520	800	4	2.2	100max
CP4800SC	6000	1	440	580	800	4	2.2	100max
GP8800SC	6000	5	750	1000	800	4	2.2	50typ
CP3100SE	6000	1	275	350	800	4	2.2	50
P0080SD	8000	1	6	15	800	4	2.2	50
P0150SD	8000	1	15	25	800	4	2.2	30
P0640SD	8000	1	58	77	800	4	2.2	50
P0720SD	8000	1	65	87	800	4	2.2	50
P0900SD	8000	1	75	98	800	4	2.2	50
P1100SD	8000	1	90	130	800	4	2.2	50
P1300SD	8000	1	120	160	800	4	2.2	50
P1500SD	8000	1	140	180	800	4	2.2	50
P1800SD	8000	1	170	220	800	4	2.2	50
P2300SD	8000	1	190	260	800	4	2.2	50
P2600SD	8000	1	220	300	800	4	2.2	50
P3100SD	8000	1	275	350	800	4	2.2	50
P3500SD	8000	1	320	400	800	4	2.2	50
P3800SD	8000	1	340	450	800	4	2.2	50
CP4200SD	8000	1	400	520	800	4	2.2	100max
CP4200SE	6000@18Ω	1	400	520	800	4	2.2	100max
CP1101SB	4000	1	95	130	800	4	2.2	100
CP1301SB	4000	1	115	140	800	4	2.2	100
CP1101SD	8000	1	95	130	800	4	2.2	50
CP1301SD	8000	1	115	140	800	4	2.2	100

Parameter	Range	Unit
V _{PP}	4000	[V]
V _{DRM_Min}	6 - 320	[V]
V _{S_Max}	15 - 320	[V]
I _{S_Max}	800	[mA]
I _{DRM_Max}	1	[uA]



Product Name	VPP (V) (10/700µs@40Ω)	IDRM_Max (µA)	@ VDRM_Min (V)	VS_Max (V)	IS_Max (mA)	VT_Max (V)	IT_Max (mA)	IH_Min (mA)
P0080LB	4000	1	6	15	800	4	2.2	50
P0220LB	4000	1	15	30	800	4	2.2	50
P0300LB	4000	1	25	40	800	4	2.2	50
P0640LB	4000	1	58	77	800	4	2.2	120
P0720LB	4000	1	66	87	800	4	2.2	120
P0900LB	4000	1	75	98	800	4	2.2	120
P1100LB	4000	1	90	130	800	4	2.2	120
P1300LB	4000	1	120	160	800	4	2.2	120
P1500LB	4000	1	140	180	800	4	2.2	120
P1800LB	4000	1	170	220	800	4	2.2	120
P2300LB	4000	1	190	260	800	4	2.2	120
P2600LB	4000	1	220	300	800	4	2.2	120
P3100LB	4000	1	275	350	800	4	2.2	120
P3500LB	4000	1	320	400	800	4	2.2	150



Product Name	VPP (V) (10/700µs@40Ω)	IDRM_Max (µA)	@ VDRM_Min (V)	VGKRM_Min (V)	IGT_Max (mA)	VGT_Max @ 3A (V)	VF_Max @ 5A (V)	IH_Min (mA)
JIP61089Q	2000	5	170	167	5	2.5	3	150
JIP61089S	2000	5	170	167	5	2.5	3	150
JIP61089L	2000	5	170	167	5	2.5	3	150
JIP61089B	3000	5	170	167	5	2.5	3	150
JIP61089H	6000	5	170	167	5	2.5	3	150

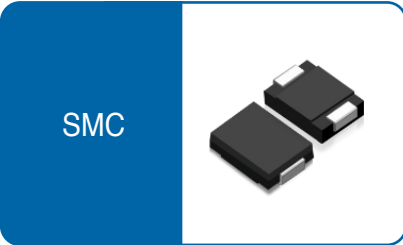
Product Name	VPP (V) (10/700µs@40Ω)	IDRM_Max (µA)	@ VDRM_Min (V)	VGKRM_Min (V)	IGT_Max (mA)	VGT_Max @ 3A (V)	VF_Max @ 5A (V)
JIP7015L1	2000	±4	±8	±15	±300	±30	30
JIP7038L1	2000	±4	±28	±38	±300	±30	23

Product Name	VPP (V) (10/700µs@40Ω)	IDRM_Max (µA)	@ VDRM_Min (V)	IGT1_Max (mA)	IGT2_Max (mA)	VGT1_Max (V)	VGT2_Max (V)	IH_Max (mA)
JIP83121D	10000	10	100	200	-180	1.8	-1.8	300

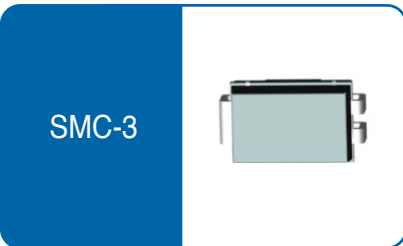


Product Name	IPP (A) (1.2/50µs&8/20µs@2Ω)	IDRM_Max (µA)	@ VDRM_Min (V)	VS_Max (V)	IS_Max (mA)	VT_Max (V)	IT_Max (mA)	IH_Max (mA)
JIP5024G	35	1	24	//	//	3.5	1	40typ

Thyristor Surge Suppressors



Product Name	IPP (A) (1.2/50µs&&8/20µs@2Ω)	IDRM_Max (µA)	@ VDRM_Min (V)	VS_Max (V)	IS_Max (mA)	VT_Max (V)	IT_Max (mA)	IH_Max (mA)
P0080SDT	3000	1	6	15	800	4	2.2	50
P0150SDT	3000	1	15	25	800	4	2.2	50
P0301SDT-Z	3000	1	30	40	800	4	2.2	50



Product Name	IPP (A) (1.2/50µs&&8/20µs@2Ω)	IDRM_Max (µA)	@ VDRM_Min (V)	VS_Max (V)	IS_Max (mA)	VT_Max (V)	IT_Max (mA)	IH_Max (mA)
P0080SDT-3L	3000	5	6	15	800	4	2.2	50
P0150SDT-3L	3000	5	15	25	800	4	2.2	50

Electro Static Discharge (ESD) Diode

ESD protection devices are specially designed for small signal ESD protection or surge protection TVS arrays, mostly for multi channel protection. It has the advantages of small package size and high integration.

Voltage clamping devices with fast response time.

Over electrostatic voltage energy varies from 6-30KV

From 2.8V-36V, voltage can customize different requirements parameter specifications for customer needs.

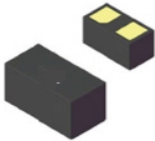
Parameter	Range	Unit
V _{BR_Min}	3.6 - 13.5	[V]
C _{J_Max}	0.2 - 18	[pF]
V _{C_Max}	8.5 - 23	[V]
I _{PP}	3.5 - 9	[A]
I _{R_Max}	0.05 - 3	[uA]



Channel	Pins	IR_Max (µA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50µs&&8/20µs@2Ω)	IPP (A) (1.2/50µs&&8/20µs@2Ω)	Product Name
								Industrial
1	2	0.1	3.3	3.6	Typ 10	10	7	JEB03DS-A
1	2	0.1	5	5.5	18	15	5	JEB05DS-A
1	2	0.1	7	7.2	13	13	6	JEB07DS-A
1	2	0.1	5	5.3	4	12	3.5	JEB05BCDS-A
1	2	1	3.3	3.8	0.2	Typ 16	4	JEB03UCDS-A
1	2	1	5	6	0.6	23	4.5	JEB05UCDS-A
1	2	0.1	5	5	0.2	17	4	JEB05ULCDS-A
1	2	0.05	5	6	0.5	12	4	JEB05VCDS-A
1	2	0.05	3.3	7	0.5	8.5	4	JEB03SCDS-A
1	2	3	1.5	4	Typ 0.25	Typ 6	9	JEB01SCDS-A
1	2	0.1	12	13.5	15	19	8	JEB12DS-A

Parameter	Range	Unit
V_{BR_Min}	3 - 40	[V]
C_{J_Max}	0.2 - 200	[pF]
V_{C_Max}	7.5 - 70	[V]
I_{PP}	1 - 40	[A]
I_{R_Max}	0.05 - 50	[uA]

DFN1006-2L



Channel	Pins	IR_Max (uA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50uS&8/20uS@20)	IPP (A) (1.2/50uS&8/20uS@20)	Product Name	
								Industrial	Automotive
1	2	1	3.3	3.6	20	12	7	JEB03DF	
1	2	0.1	5	5.5	20	13	7	JEB05DF	JEB05DF-AU
1	2	0.5	24	26.7	15	60	4	JEB24DF	
1	2	0.1	5	5.6	20	12	7	JEB05DFA	
1	2	0.1	7	7.5	TYP 35	18	8	JEB07DF	
1	2	1	5	6	0.9	25	8	JEB05BXDF	
1	2	0.1	5	5.5	7	15.5	5	JEB05DFC	
1	2	0.1	7	7.2	13	14	6	JEB07DFA	
1	2	0.2	12	13.3	Typ 11	26	6	JEB12DF	JEB12DF-AU
1	2	1	36	40	Typ 11	65	1	JEB36DF	
1	2	1	36	40	Typ 11	70	4	JEB36DFP	
1	2	1	3.3	3.8	0.2	TYP 16	4	JEB03LCDF	
1	2	1	5	5.5	110	16	30	JEB05DFP	
1	2	0.5	5	6	30	9.5	18	JEB05DFCS	
1	2	0.15	5	6	4	13.5	2	JEB05DFB	
1	2	1	5	6	0.5	30	4.5	JEB05LCDF	JEB05LCDF-AU
1	2	0.05	3.3	7	0.5	8.5	4	JEB03SCDF	
1	2	0.1	5	6	0.55	15	4	JEB05VCDF	JEB05VCDF-AU
1	2	1	5	6	1.5	12.5	1	JEB05BCDF	
1	2	1	5	6	0.65	15	4.5	JEU05UCDF	
1	2	0.1	5	6	100	15	10	JEU05DF	
1	2	0.1	7	7.5	85	16	9	JEU07DF	
1	2	0.1	15	16.5	90	30	15	JEU15DFP	
1	2	0.1	12	13.5	TYP 140	TYP 21	30	JEU12DFX	
1	2	1	15	16	200	32	28	JEU15DFX	
1	2	0.1	24	26.5	25	55	4	JEU24DF	
1	2	0.1	12	13.3	100	24	15	JEU12DFP	
1	2	1	24	25	TYP 47	45	9	JEU24DFP	
1	2	0.1	36	40	30	70	4	JEU36DFP	
1	2	50	3.3	6	1.55	14	14	JEB03DFX	
1	2	0.05	3.3	7	1	7.5	7	JEB03SCDFA	
1	2	0.05	18	18.5	0.5	10	4	JEB18LCDFCS	
1	2	0.05	2.5	3	Typ 1.3	9	10	JEB2V5DF	
1	2	0.5	18	19	Typ 22	31	5	JEB18DF	
1	2	1	4.5	4.6	75	10	40	JEB4V5DFP	
1	2	1	20	22	Typ 120	35	40	JEU20DFX	
1	2	1	3.3	3.6	80	15	30	JEB03DFP	

Parameter	Range	Unit
V_{BR_Min}	6 - 9.5	[V]
C_{J_Max}	0.8 - 30	[pF]
V_{C_Max}	13 - 15	[V]
I_{PP}	5 - 7	[A]
I_{R_Max}	1	[uA]

DFN1006-3L



Channel	Pins	IR_Max (uA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50uS&8/20uS@20)	IPP (A) (1.2/50uS&8/20uS@20)	Product Name
								Industrial
2	3	1	5	6	0.8	15	5	JEU05DF3
2	3	1	5	9.5	30	13	7	JEB05DF3

Parameter	Range	Unit
V_{BR_Min}	4.7 - 21	[V]
C_{J_Max}	300 - 1050	[pF]
V_{C_Max}	15 - 40	[V]
I_{PP}	40 - 140	[A]
I_{R_Max}	0.2 - 1	[uA]

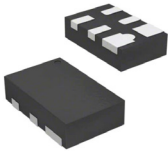
DFN1610-2L



Channel	Pins	IR_Max (uA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50uS&8/20uS@20)	IPP (A) (1.2/50uS&8/20uS@20)	Product Name
								Industrial
1	2	1	4.5	4.7	600	18	140	JEB4V5DP
1	2	0.2	4.5	5	Typ 700	15	100	JEU4V5DP
1	2	1	5	6	1050	17	110	JEU05DP
1	2	1	7	7.5	900	18	100	JEU07DP
1	2	1	9	9.5	750	22	90	JEU09DP
1	2	1	12	13.3	450	28	70	JEU12DP
1	2	1	15	16	400	30	55	JEU15DP
1	2	1	18	19.5	300	40	40	JEU18DP
1	2	1	20	21	Typ 240	40	50	JEU20DP

Parameter	Range	Unit
V_{BR_Min}	5.6	[V]
C_{J_Max}	0.8	[pF]
V_{C_Max}	15	[V]
I_{PP}	5	[A]
I_{R_Max}	0.5	[uA]

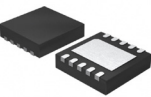
DFN1610-6L



Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs@2Ω)	IPP (A) (1.2/50μs&8/20μs@2Ω)	Product Name
								Industrial
2	6	0.5	5	5.6	0.8	15	5	JEU0522P

Parameter	Range	Unit
V_{BR_Min}	3.5 - 3.7	[V]
C_{J_Max}	5	[pF]
V_{C_Max}	16	[V]
I_{PP}	25 - 95	[A]
I_{R_Max}	0.1 - 1	[uA]

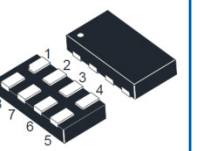
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Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs@2Ω)	IPP (A) (1.2/50μs&8/20μs@2Ω)	Product Name
								Industrial
4	10	0.1	3.3	3.7	5	16	25	JEU3K4DF
4	10	1	3.3	3.5	5	16	95	JEU3302N

Parameter	Range	Unit
V_{BR_Min}	3.5	[V]
C_{J_Max}	1	[pF]
V_{C_Max}	18	[V]
I_{PP}	20	[A]
I_{R_Max}	0.1	[uA]

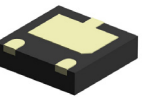
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Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs@2Ω)	IPP (A) (1.2/50μs&8/20μs@2Ω)	Product Name
								Industrial
2	8	0.1	3.3	3.5	1	18	20	JEB3312T

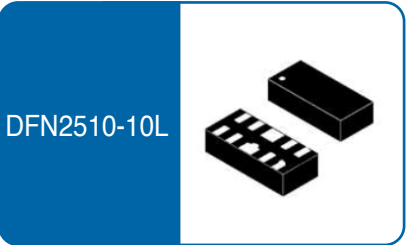
Parameter	Range	Unit
V_{BR_Min}	4.8 - 26	[V]
C_{J_Max}	1100 - 2200	[pF]
V_{C_Max}	21 - 60	[V]
I_{PP}	110 - 240	[A]
I_{R_Max}	0.2 - 1	[uA]

DFN22-3L



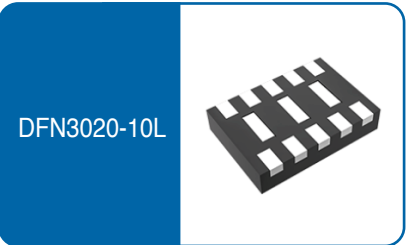
Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs@2Ω)	IPP (A) (1.2/50μs&8/20μs@2Ω)	Product Name
								Industrial
1	3	0.2	4.5	4.8	1200	21	240	JEB4V5N3
1	3	1	7.5	8	2200	25	240	JEU07N3
1	2	1	10	11	1500	30	180	JEU10N3
1	3	1		13	1200	32	180	JEU12N3
1	3	1	15	16	1200	35	150	JEU15N3
1	3	1	18	19	1100	42	180	JEU18N3
1	3	1	20	22	1100	45	110	JEU20N3
1	3	1	24	26	TYP 750	60	120	JEU24N3
1	3	0.5	24	26	TYP 750	35	200	JEU24P3

Parameter	Range	Unit
V_{BR_Min}	3.7 - 6	[V]
C_{J_Max}	0.39 - 0.65	[pF]
V_{C_Max}	7 - 13	[V]
I_{PP}	3 - 7	[A]
I_{R_Max}	0.1 - 5	[uA]



Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs@2Ω)	IPP (A) (1.2/50μs&8/20μs@2Ω)	Product Name	
								Industrial	Automotive
4	10	1	5	6	0.65	12	3.5	JEU0524P	JEU0524P-AU
4	10	0.5	5	6	0.65	13	4	JEU0524PA	
4	10	1	3.3	3.8	0.39	11	3	JEU0324P	
4	10	0.1	3.3	4	0.6	10.5	7	JEU3324P	
4	10	5	3.3	3.7	0.6	7	6	JEU03SC	
4	10	1	3.3	4.5	0.45	10.5typ	4	JEU3324C	

Parameter	Range	Unit
V_{BR_Min}	3	[V]
C_{J_Max}	4	[pF]
V_{C_Max}	15	[V]
I_{PP}	25	[A]
I_{R_Max}	1	[uA]



Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs@2Ω)	IPP (A) (1.2/50μs&8/20μs@2Ω)	Product Name	
								Industrial	
4	10	1	2.5	3	4	15	25	JEU2574N	

Parameter	Range	Unit
V_{BR_Min}	3.6 - 40	[V]
C_{J_Max}	1.5 - 1050	[pF]
V_{C_Max}	12 - 75	[V]
I_{PP}	6 - 140	[A]
I_{R_Max}	0.1 - 5	[uA]



Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs@2Ω)	IPP (A) (1.2/50μs&8/20μs@2Ω)	Product Name	
								Industrial	Automotive
1	2	0.1	3.3	3.6	1.5	20	17	JEB03CX	JEB03CX-AU
1	2	1	5	6	1.5	25	17	JEB05C	JEB05C-AU
1	2	1	8	8.5	1.5	23	18	JEB08C	JEB08C-AU
1	2	1	12	13.3	1.5	30	12	JEB12C	JEB12C-AU
1	2	1	15	16.7	1.5	40	10	JEB15C	JEB15C-AU
1	2	1	24	26.7	1.5	54	9	JEB24C	JEB24C-AU
1	2	1	36	40	Typ 1.0	75	8	JEB36C	
1	2	1	3.3	3.6	80	15	30	JEB03D3	JEB03D3-AU
1	2	1	5	5.5	110	14	35	JEB05D3	JEB05D3-AU
1	2	1	12	13.3	45	33	12	JEB12D3	JEB12D3-AU
1	2	1	15	16.7	40	33	10	JEB15D3	JEB15D3-AU
1	2	1	24	26.7	35	50	8	JEB24D3	JEB24D3-AU
1	2	0.2	36	40	25	70	6	JEB36D3	JEB36D3-AU
1	2	1	4.5	4.7	600	18	140	JEB4V5D3U	JEB4V5D3U-AU
1	2	5	3.3	4	250	15	25	JEU03D3	JEU03D3-AU
1	2	0.1	3.3	3.7	80	12	30	JEU03D3X	
1	2	1	5	6	Typ180	15	22	JEU05D3	JEU05D3-AU
1	2	0.5	7	7.5	200	20	25	JEU07D3	JEU07D3-AU
1	2	0.1	12	13.3	100	24	15	JEU12D3	JEU12D3-AU
1	2	0.2	15	16	90	30	13	JEU15D3	JEU15D3-AU
1	2	0.1	24	26.4	70	45	8	JEU24D3	JEU24D3-AU
1	2	0.1	30	32	40	58	6.5	JEU30D3	
1	2	0.1	36	39	45	65	6	JEU36D3	JEU36D3-AU
1	2	0.2	4.5	5	Typ 700	15	100	JEU4V5D3U	
1	2	1	5	6	1050	17	110	JEU05D3U	JEU05D3U-AU
1	2	1	7	7.5	900	18	100	JEU07D3U	JEU07D3U-AU
1	2	1	12	13	450	28	70	JEU12D3U	JEU12D3U-AU
1	2	1	15t	16	400	30	55	JEU15D3U	JEU15D3U-AU

Parameter	Range	Unit
V_{BR_Min}	3.6 - 40	[V]
C_{J_Max}	0.5 - 110	[pF]
V_{C_Max}	12 - 70	[V]
I_{PP}	1 - 30	[A]
I_{R_Max}	0.1 - 5	[uA]



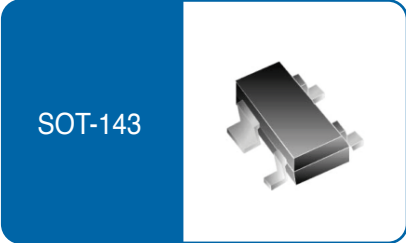
Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs@2Ω)	IPP (A) (1.2/50μs&8/20μs@2Ω)	Product Name	
								Industrial	Automotive
1	2	0.1	5	6	100	15	10	JEU05D5	JEU05D5-AU
1	2	0.1	7	7.5	85	16	9	JEU07D5	JEU07D5-AU
1	2	1	12	13.3	40	25	6	JEU12D5	JEU12D5-AU
1	2	1	15	16.5	50	27	5	JEU15D5	
1	2	0.1	24	26.7	25	48	4	JEU24D5	JEU24D5-AU
1	2	5	36	40	20	55	1	JEU36D5	
1	2	1	18	20	Typ 55	35	10	JEU18D5P	
1	2	1	36	40	Typ 22	70	4	JEU36D5P	JEU36D5P-AU
1	2	1	3.3	3.6	20	12	7	JEB03D5	JEB03D5-AU
1	2	0.1	5	5.5	20	13	7	JEB05D5	JEB05D5-AU
1	2	1	5	5.5	110	16	30	JEB05D5P	JEB05D5P-AU
1	2	0.1	12	13.3	20	26	5	JEB12D5	
1	2	0.1	24	26.4	15	45	3	JEB24D5	
1	2	0.1	36	40	15	65	1	JEB36D5	
1	2	0.1	36	40	15	65	1	JEB36D5P	
1	2	1	5	6	1.5	13	1	JEB05UCD5	
1	2	0.15	5	6	4	13.5	2	JEB05BCD5	
1	2	1	5	6	0.5	30	4.5	JEB05LCD5	

Parameter	Range	Unit
V_{BR_Min}	3 - 16.5	[V]
C_{J_Max}	1 - 60	[pF]
V_{C_Max}	18 - 30	[V]
I_{PP}	12 - 100	[A]
I_{R_Max}	0.1 - 15	[uA]



Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs@2Ω)	IPP (A) (1.2/50μs&8/20μs@2Ω)	Product Name
								Industrial
4	8	1	2.8	3	2	18	50	JEU2.8K4P
4	8	0.1	2.8	3	1	20	20	JEU2.8K4PL
4	8	10	5	6	2	25	25	JEB05LCK4P
4	8	1	15	16.5	60	30	12	JEB15K4P
2	8	15	3.3	3.5	30	30	100	JEB3.3-K2PLC
4	8	1	3.3	3.5	15	20	25	JEU3.3-4RDA
4	8	10	5	6	15	20	25	JEU05-4RDA

Parameter	Range	Unit
V_{BR_Min}	6 - 85	[V]
C_{J_Max}	1 - 3.5	[pF]
V_{C_Max}	9 - 18	[V]
I_{PP}	4.5 - 24	[A]
I_{R_Max}	0.1 - 1	[uA]



Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&&8/20μs@2Ω)	IPP (A) (1.2/50μs&&8/20μs@2Ω)	Product Name	
								Industrial	
2	4	1	70	85	1.5	9	24	JEUSR70	
2	4	1	5	6	1	15	4.5	JEU05UCR	
2	4	0.1	5	6	3.5	18	20	JEU05R	

Parameter	Range	Unit
V_{BR_Min}	3.6 - 40	[V]
C_{J_Max}	0.65 - 240	[pF]
V_{C_Max}	14 - 90	[V]
I_{PP}	4 - 30	[A]
I_{R_Max}	0.1 - 5	[uA]



Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&&8/20μs@2Ω)	IPP (A) (1.2/50μs&&8/20μs@2Ω)	Product Name	
								Industrial	Automotive
2	3	5	3.3	4	240	14	25	JEU03T2B	
2	3	1	5	6	180	16.7	18	JEU05T2B	JEU05T2B-AU
2	3	1	12	13.3	100	24	15	JEU12T2B	JEU12T2B-AU
2	3	1	15	16.7	Typ 45	35	10	JEU15T2B	
2	3	1	24	26.7	Typ 30	55	5	JEU24T2B	
2	3	1	36	40	Typ 26	75	4	JEU36T2B	
2	3	0.15	12	13	Typ 90	26	20	JEU12T2BL	
2	3	0.1	5	6	0.65	15	4	JEU05UCT2B	
2	3	1	2.8	40	50	24	20	JEU2.8LVU	
2	3	1	3.3	3.6	Typ 100	26	20	JEB03T2B	JEB03T2B-AU
2	3	1	5	5.5	110	16	30	JEB05T2B	
2	3	1	12	13.3	Typ 30	25	12	JEB12T2B	
2	3	1	15	16.7	Typ 25	35	10	JEB15T2B	
2	3	1	24	26.7	Typ 15	60	6	JEB24T2B	JEB24T2B-AU
2	3	1	36	40	Typ 15	90	6	JEB36T2B	JEB36T2B-AU
2	3	1	7/12	7.5/13.3	75	26/18	12	JEB712M	
2	3	0.5	36/12	39/13.3	25	25	13	JEB1236M	

Parameter	Range	Unit
V_{BR_Min}	6	[V]
C_{J_Max}	85	[pF]
V_{C_Max}	15	[V]
I_{PP}	8	[A]
I_{R_Max}	1	[uA]



Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs@2Ω)	IPP (A) (1.2/50μs&8/20μs@2Ω)	Product Name
								Industrial
4	5	1	5	6	85	15	8	JEU05MF

Parameter	Range	Unit
V_{BR_Min}	6	[V]
C_{J_Max}	0.8	[pF]
V_{C_Max}	15 - 18	[V]
I_{PP}	10	[A]
I_{R_Max}	0.5	[uA]



Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs@2Ω)	IPP (A) (1.2/50μs&8/20μs@2Ω)	Product Name
								Industrial
5	6	0.5	5	6	Typ 75	15	10	JEU05MFC
4	6	0.5	5	6	0.8	18	5	JEU05T3

Parameter	Range	Unit
V_{BR_Min}	3.5	[V]
C_{J_Max}	5	[pF]
V_{C_Max}	16	[V]
I_{PP}	25	[A]
I_{R_Max}	0.5	[uA]



Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs@2Ω)	IPP (A) (1.2/50μs&8/20μs@2Ω)	Product Name
								Industrial
4	5	0.5	3.3	3.5	5	16	25	JEU3354S

Parameter	Range	Unit
V_{BR_Min}	4 - 13.3	[V]
C_{J_Max}	0.8 - 5	[pF]
V_{C_Max}	13 - 29.2	[V]
I_{PP}	4 - 38	[A]
I_{R_Max}	0.1 - 1	[uA]



Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs@2Ω)	IPP (A) (1.2/50μs&8/20μs@2Ω)	Product Name
								Industrial
4	6	1	5	6	0.8	15	5	SRV05-4A
4	6	1	5	6	0.8	16	4	SRV05-4C
4	6	0.1	5	6	1.5	13	8	SRV05-4B
4	6	0.5	5	6	3.5	18	24	SRV05-4U
4	6	1	5	6	Typ 5	25	38	SRV05-4H
4	6	1	3.3	4	5	18	24	SRV03-4U
4	6	1	5	6	3.5	17	5	SRV05-4D
4	6	1	12	13.3	Typ 54	29.2	12	JEU12MSC

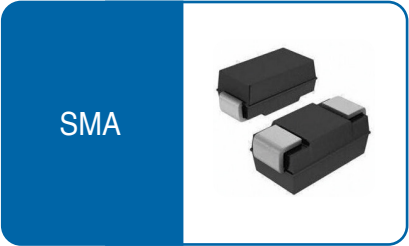
M Zener Diode

Zener diode (zener diode) is a surface contact crystal diode made of silicon material. This diode is a semiconductor device with high resistance until the critical reverse breakdown voltage is reached. In a certain range of current (or in a certain range of power loss), the voltage regulator is almost invariable in a certain range of current (or in a certain range of power loss), which shows a steady voltage characteristic, so it is widely used in the voltage regulator and limiting circuit. The voltage stabilizing diode is divided according to the breakdown voltage. Because of this characteristic, the regulator is mainly used as a voltage regulator or a voltage reference element. A voltage stabilizing diode can be connected in series for higher voltage, and more stable voltage can be obtained by connecting series, which is called a bidirectional voltage regulator.

The power of the device varies from 0.5W-5W

Voltage from 2.4V to 200V;

Parameter	Range	Unit
P _D	1 - 2.5	[W]
V _{Z_Min}	3.71 - 190	[V]
V _{Z_Max}	4.1 - 210	[V]
I _{ZT}	1.9 - 92	[mA]
I _{R_Max}	1 - 120	[uA]



PD (W)	VZ_Min (V)ns	VZ_Max (V)	IZT (mA)	ZZT_Max (Ω)	ZZK_Max (Ω)	IZK (mA)	IR_Max (μA)	Product Name	
								Industrial	Automotive
1	3.71	4.1	64	20	800	1	120	SMAZHC3V9	
1	4.09	4.52	58	20	600	1	20	SMAZHC4V3	
1	4.47	4.94	53	8	600	1	10	SMAZHC4V7	
1	4.85	5.36	49	7	500	1	5	SMAZHC5V1	
1	5.32	5.88	45	5	500	1	5	SMAZHC5V6	
1	5.89	6.51	41	4	500	1	5	SMAZHC6V2	
1	6.46	7.14	37	3.5	700	1	10	SMAZHC6V8	
1	7.13	7.88	34	4	700	0.5	10	SMAZHC7V5	
1	7.79	8.61	31	4.5	700	0.5	10	SMAZHC8V2	
1	8.65	9.56	28	5	700	0.5	10	SMAZHC9V1	
1	9.5	10.5	25	7	700	0.25	10	SMAZHC10	SMAZHC10AU
1	10.5	11.6	23	8	700	0.25	5	SMAZHC11	SMAZHC11AU
1	11.4	12.6	21	9	700	0.25	1	SMAZHC12	SMAZHC12AU
1	12.4	13.7	19	10	700	0.25	1	SMAZHC13	SMAZHC13AU
1	14.3	15.8	17	14	700	0.25	1	SMAZHC15	SMAZHC15AU
1	15.2	16.8	15.5	16	700	0.25	1	SMAZHC16	SMAZHC16AU
1	17.1	18.9	14	20	750	0.25	1	SMAZHC18	SMAZHC18AU
1	19	21	12.5	22	750	0.25	1	SMAZHC20	SMAZHC20AU
1	20.9	23.1	11.5	23	750	0.25	1	SMAZHC22	SMAZHC22AU
1	22.8	25.2	10.5	25	750	0.25	1	SMAZHC24	SMAZHC24AU
1	25.7	28.4	9.5	35	750	0.25	1	SMAZHC27	SMAZHC27AU
1	28.5	31.5	8.5	40	1000	0.25	1	SMAZHC30	SMAZHC30AU
1	31.4	34.7	7.5	45	1000	0.25	1	SMAZHC33	SMAZHC33AU
1	34.2	37.8	7	50	1000	0.25	1	SMAZHC36	SMAZHC36AU
1	37.1	41	6.5	60	1000	0.25	1	SMAZHC39	SMAZHC39AU
1	40.9	45.2	6	70	1500	0.25	1	SMAZHC43	SMAZHC43AU
1	44.7	49.4	5.5	80	1500	0.25	1	SMAZHC47	SMAZHC47AU

PD (W)	VZ_Min (V)ns	VZ_Max (V)	IZT (mA)	ZZT_Max (Ω)	ZZK_Max (Ω)	IZK (mA)	IR_Max (μA)	Product Name	
								Industrial	Automotive
1	48.5	53.6	5	95	1500	0.25	1	SMAZHC51	SMAZHC51AU
1	53.2	58.8	4.5	110	2000	0.25	1	SMAZHC56	SMAZHC56AU
1	58.9	65.1	4	125	2000	0.25	1	SMAZHC62	SMAZHC62AU
1	64.6	71.4	3.7	150	2000	0.25	1	SMAZHC68	SMAZHC68AU
1	71.3	78.8	3.3	175	2000	0.25	1	SMAZHC75	SMAZHC75AU
1	77.9	86.1	3	200	3000	0.25	1	SMAZHC82	SMAZHC82AU
1	86.5	95.6	2.8	250	3000	0.25	1	SMAZHC91	SMAZHC91AU
1	95	105	2.5	350	3000	0.25	1	SMAZHC100	SMAZHC100AU
1.5	6.46	7.14	55.1	2.5	400	1	20	SMAZKC6V8	
1.5	7.13	7.88	50	2.5	400	1	10	SMAZKC7V5	
1.5	7.79	8.61	45.7	5	700	0.5	10	SMAZKC8V2	
1.5	8.65	9.56	41.2	5	700	0.5	10	SMAZKC9V1	SMAZKC9V1AU
1.5	9.5	10.5	37.5	5	700	0.25	10	SMAZKC10	SMAZKC10AU
1.5	10.5	11.6	34.1	5.5	550	0.25	5	SMAZKC11	SMAZKC11AU
1.5	11.4	12.6	31.2	6.5	550	0.25	1	SMAZKC12	SMAZKC12AU
1.5	12.4	13.7	28.8	7	550	0.25	1	SMAZKC13	SMAZKC13AU
1.5	14.3	15.8	25	9	600	0.25	1	SMAZKC15	SMAZKC15AU
1.5	15.2	16.8	23.4	10	600	0.25	1	SMAZKC16	SMAZKC16AU
1.5	17.1	18.9	20.8	12	650	0.25	1	SMAZKC18	SMAZKC18AU
1.5	19	21	18.7	14	650	0.25	1	SMAZKC20	SMAZKC20AU
1.5	20.9	23.1	17	17.5	650	0.25	1	SMAZKC22	SMAZKC22AU
1.5	22.8	25.2	15.6	19	700	0.25	1	SMAZKC24	SMAZKC24AU
1.5	25.7	28.4	13.9	23	700	0.25	1	SMAZKC27	SMAZKC27AU
1.5	28.5	31.5	12.5	28	750	0.25	1	SMAZKC30	SMAZKC30AU
1.5	31.4	34.7	11.4	33	800	0.25	1	SMAZKC33	SMAZKC33AU
1.5	34.2	37.8	10.4	38	850	0.25	1	SMAZKC36	SMAZKC36AU
1.5	37.1	41	9.6	45	900	0.25	1	SMAZKC39	SMAZKC39AU
1.5	40.9	45.2	8.7	53	950	0.25	1	SMAZKC43	SMAZKC43AU
1.5	44.7	49.4	8	67	1000	0.25	1	SMAZKC47	SMAZKC47AU
1.5	48.5	53.6	7.3	70	1100	0.25	1	SMAZKC51	SMAZKC51AU
1.5	53.2	58.8	6.7	86	1300	0.25	1	SMAZKC56	SMAZKC56AU
1.5	58.9	65.1	6	100	1500	0.25	1	SMAZKC62	SMAZKC62AU
1.5	64.6	71.4	5.5	120	1700	0.25	1	SMAZKC68	SMAZKC68AU
1.5	71.3	78.8	5	140	2000	0.25	1	SMAZKC75	SMAZKC75AU
1.5	77.9	86.1	4.6	160	2500	0.25	1	SMAZKC82	SMAZKC82AU
1.5	86.5	95.6	4.1	200	3000	0.25	1	SMAZKC91	SMAZKC91AU
1.5	95	105	3.8	250	3100	0.25	1	SMAZKC100	SMAZKC100AU
1.5	114	126	3.1	380	4500	0.25	1	SMAZKC120	SMAZKC120AU
1.5	124	137	2.9	450	5000	0.25	1	SMAZKC130	SMAZKC130AU
1.5	143	158	2.5	600	6000	0.25	1	SMAZKC150	SMAZKC150AU
1.5	152	168	2.3	700	6500	0.25	1	SMAZKC160	SMAZKC160AU
1.5	171	189	2.1	900	7000	0.25	1	SMAZKC180	SMAZKC180AU
1.5	190	210	1.9	1200	8000	0.25	1	SMAZKC200	SMAZKC200AU
2.5	6.46	7.14	92	2.5	200	1	20	SMAZPC6V8	
2.5	7.13	7.88	83	3	400	0.5	10	SMAZPC7V5	
2.5	7.79	8.61	76	3.5	400	0.5	10	SMAZPC8V2	
2.5	8.65	9.56	68	4	500	0.5	10	SMAZPC9V1	SMAZPC9V1AU
2.5	9.5	10.5	62.5	4.5	500	0.25	10	SMAZPC10	SMAZPC10AU
2.5	10.5	11.6	56.8	5.5	550	0.25	5	SMAZPC11	SMAZPC11AU
2.5	11.4	12.6	52	6.5	550	0.25	1	SMAZPC12	SMAZPC12AU
2.5	12.4	13.7	48	7	550	0.25	1	SMAZPC13	SMAZPC13AU
2.5	14.3	15.8	41.6	9	600	0.25	1	SMAZPC15	SMAZPC15AU
2.5	15.2	16.8	39	10	600	0.25	1	SMAZPC16	SMAZPC16AU
2.5	17.1	18.9	34.7	12	650	0.25	1	SMAZPC18	SMAZPC18AU
2.5	19	21	31.2	14	650	0.25	1	SMAZPC20	SMAZPC20AU
2.5	20.9	23.1	28.4	17.5	650	0.25	1	SMAZPC22	SMAZPC22AU
2.5	22.8	25.2	26	19	700	0.25	1	SMAZPC24	SMAZPC24AU

PD (W)	VZ_Min (V)ns	VZ_Max (V)	IZT (mA)	ZZT_Max (Ω)	ZZK_Max (Ω)	IZK (mA)	IR_Max (μA)	Product Name	
								Industrial	Automotive
2.5	25.7	28.4	23.1	23	700	0.25	1	SMAZPC27	SMAZPC27AU
2.5	28.5	31.5	20.8	26	750	0.25	1	SMAZPC30	SMAZPC30AU
2.5	31.4	34.7	19	33	800	0.25	1	SMAZPC33	SMAZPC33AU
2.5	34.2	37.8	17.4	38	850	0.25	1	SMAZPC36	SMAZPC36AU
2.5	37.1	41	16	45	900	0.25	1	SMAZPC39	SMAZPC39AU
2.5	40.9	45.2	14.5	53	950	0.25	1	SMAZPC43	SMAZPC43AU
2.5	44.7	49.4	13.3	67	1000	0.25	1	SMAZPC47	SMAZPC47AU
2.5	48.5	53.6	12.2	70	1100	0.25	1	SMAZPC51	SMAZPC51AU
2.5	53.2	58.8	11.4	86	1300	0.25	1	SMAZPC56	SMAZPC56AU
2.5	58.9	65.1	10.1	100	1500	0.25	1	SMAZPC62	SMAZPC62AU
2.5	64.6	71.4	9.2	120	1700	0.25	1	SMAZPC68	SMAZPC68AU
2.5	71.3	78.8	8.3	140	2000	0.25	1	SMAZPC75	SMAZPC75AU
2.5	77.9	86.1	7.6	160	2200	0.25	1	SMAZPC82	SMAZPC82AU
2.5	84.5	95.6	6.9	180	2400	0.25	1	SMAZPC91	SMAZPC91AU
2.5	95	105	6.3	200	2600	0.25	1	SMAZPC100	SMAZPC100AU
2.5	105	116	5.7	300	4000	0.25	1	SMAZPC110	SMAZPC110AU
2.5	114	126	5.2	380	4500	0.25	1	SMAZPC120	SMAZPC120AU
2.5	124	137	4.8	450	5000	0.25	1	SMAZPC130	SMAZPC130AU
2.5	143	158	4.2	600	6000	0.25	1	SMAZPC150	SMAZPC150AU
2.5	152	168	3.9	700	6500	0.25	1	SMAZPC160	SMAZPC160AU
2.5	171	189	3.5	900	7000	0.25	1	SMAZPC180	SMAZPC180AU
2.5	190	210	3.1	1200	8000	0.25	1	SMAZPC200	SMAZPC200AU

Zener Diode

Parameter	Range	Unit
P _D	3 - 5	[W]
V _{Z_Min}	6.46 - 190	[V]
V _{Z_Max}	7.14 - 210	[V]
I _{ZT}	1.9 - 175	[mA]
I _{R_Max}	1 - 100	[uA]

SMB



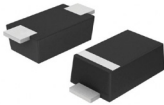
PD (W)	VZ_Min (V)ns	VZ_Max (V)	IZT (mA)	ZZT_Max (Ω)	ZZK_Max (Ω)	IZK (mA)	IR_Max (μA)	Product Name	
								Industrial	Automotive
3	6.46	7.14	55.1	2.5	200	1	50	SMBZSC6V8	
3	7.13	7.88	50	3	400	0.5	25	SMBZSC7V5	
3	7.79	8.61	45.7	3.5	400	0.5	25	SMBZSC8V2	
3	8.65	9.56	41.2	4	500	0.5	25	SMBZSC9V1	SMBZSC9V1AU
3	9.5	10.5	37.5	4.5	500	0.25	25	SMBZSC10	SMBZSC10AU
3	10.5	11.6	34.1	5.5	550	0.25	5	SMBZSC11	SMBZSC11AU
3	11.4	12.6	31.2	6.5	550	0.25	1	SMBZSC12	SMBZSC12AU
3	12.4	13.7	28.8	7	550	0.25	1	SMBZSC13	SMBZSC13AU
3	14.3	15.8	25	9	600	0.25	1	SMBZSC15	SMBZSC15AU
3	15.2	16.8	23.4	10	600	0.25	1	SMBZSC16	SMBZSC16AU
3	17.1	18.9	20.8	12	650	0.25	1	SMBZSC18	SMBZSC18AU
3	19	21	18.7	14	650	0.25	1	SMBZSC20	SMBZSC20AU
3	20.9	23.1	17	17.5	650	0.25	1	SMBZSC22	SMBZSC22AU
3	22.8	25.2	15.6	19	700	0.25	1	SMBZSC24	SMBZSC24AU
3	25.7	28.4	13.9	23	700	0.25	1	SMBZSC27	SMBZSC27AU
3	28.5	31.5	12.5	28	750	0.25	1	SMBZSC30	SMBZSC30AU
3	31.4	34.7	11.4	33	800	0.25	1	SMBZSC33	SMBZSC33AU
3	34.2	37.8	10.4	38	850	0.25	1	SMBZSC36	SMBZSC36AU
3	37.1	41	9.6	45	900	0.25	1	SMBZSC39	SMBZSC39AU
3	40.9	45.2	8.7	53	950	0.25	1	SMBZSC43	SMBZSC43AU
3	44.7	49.4	8	67	1000	0.25	1	SMBZSC47	SMBZSC47AU
3	48.5	53.6	7.3	70	1100	0.25	1	SMBZSC51	SMBZSC51AU
3	53.2	58.8	6.7	86	1300	0.25	1	SMBZSC56	SMBZSC56AU
3	58.9	65.1	6	100	1500	0.25	1	SMBZSC62	SMBZSC62AU
3	64.6	71.4	5.5	120	1700	0.25	1	SMBZSC68	SMBZSC68AU
3	71.3	78.8	5	140	2000	0.25	1	SMBZSC75	SMBZSC75AU
3	77.9	86.1	4.6	160	2500	0.25	1	SMBZSC82	SMBZSC82AU
3	86.5	95.6	4.1	200	3000	0.25	1	SMBZSC91	SMBZSC91AU
3	95	105	3.7	250	3100	0.25	1	SMBZSC100	SMBZSC100AU
3	105	116	3.4	300	4000	0.25	1	SMBZSC110	SMBZSC110AU
3	114	126	3.1	380	4500	0.25	1	SMBZSC120	SMBZSC120AU
3	124	137	2.9	450	5000	0.25	1	SMBZSC130	SMBZSC130AU
3	143	158	2.5	600	6000	0.25	1	SMBZSC150	SMBZSC150AU
3	152	168	2.3	700	6500	0.25	1	SMBZSC160	SMBZSC160AU
3	171	189	2.1	900	7000	0.25	1	SMBZSC180	SMBZSC180AU
3	190	210	1.9	1200	8000	0.25	1	SMBZSC200	SMBZSC200AU
5	6.46	7.14	175	1	200	1	100	SMBZTC6V8	
5	7.13	7.88	175	1.5	200	1	50	SMBZTC7V5	
5	7.79	8.61	150	1.5	200	1	25	SMBZTC8V2	
5	8.65	9.56	125	2	200	1	25	SMBZTC9V1	

PD (W)	VZ_Min (V)ns	VZ_Max (V)	IZT (mA)	ZZT_Max (Ω)	ZZK_Max (Ω)	IZK (mA)	IR_Max (μA)	Product Name
								Industrial
5	9.5	10.5	125	2	150	1	25	SMBZTC10
5	10.5	11.6	100	2	125	1	10	SMBZTC11
5	11.4	12.6	100	2.5	125	1	5	SMBZTC12
5	12.4	13.7	100	2.5	125	1	1	SMBZTC13
5	14.3	15.8	75	2.5	100	1	1	SMBZTC15
5	15.2	16.8	75	2.5	75	1	1	SMBZTC16
5	17.1	18.9	70	2.5	75	1	1	SMBZTC18
5	19	21	65	2.5	75	1	1	SMBZTC20
5	20.9	23.1	65	2.5	75	1	1	SMBZTC22
5	22.8	25.2	65	2.5	75	1	1	SMBZTC24
5	23.8	26.3	50	3	75	1	1	SMBZTC25
5	25.7	28.4	50	3	75	1	1	SMBZTC27
5	28.5	31.5	50	3	75	1	1	SMBZTC30
5	31.4	34.7	50	3.5	75	1	1	SMBZTC33
5	34.2	37.8	50	3.5	100	1	1	SMBZTC36
5	37.1	41	50	4	110	1	1	SMBZTC39
5	40.9	45.2	50	5	120	1	1	SMBZTC43
5	44.7	49.4	50	6	130	1	1	SMBZTC47
5	48.5	53.6	40	8	140	1	1	SMBZTC51
5	53.2	58.8	40	10	150	1	1	SMBZTC56
5	58.9	65.1	30	11	160	1	1	SMBZTC62
5	64.6	71.4	30	14	170	1	1	SMBZTC68
5	71.3	78.8	30	20	190	1	1	SMBZTC75
5	77.9	86.1	15	65	720	1	1	SMBZTC82
5	82.7	91.4	15	75	760	1	1	SMBZTC87
5	86.5	95.6	15	75	760	1	1	SMBZTC91
5	95	105	12	90	800	1	1	SMBZTC100
5	105	116	12	125	1000	1	1	SMBZTC110
5	114	126	10	170	1150	1	1	SMBZTC120
5	124	137	10	190	1250	1	1	SMBZTC130
5	133	147	8	230	1500	1	1	SMBZTC140
5	143	158	8	330	1500	1	1	SMBZTC150
5	152	168	8	350	1650	1	1	SMBZTC160
5	162	179	8	380	1750	1	1	SMBZTC170
5	171	189	5	430	1750	1	1	SMBZTC180
5	181	200	5	450	1850	1	1	SMBZTC190
5	190	210	5	480	1850	1	1	SMBZTC200

Zener Diode

Parameter	Range	Unit
P _D	0.35	[W]
V _{Z_Min}	2.2 - 40	[V]
V _{Z_Max}	2.6 - 46	[V]
I _{ZT}	2 - 5	[mA]
I _{R_Max}	0.1 - 50	[uA]

SOD-123



PD (W)	VZ_Min (V)ns	VZ_Max (V)	IZT (mA)	ZZT_Max (Ω)	ZZK_Max (Ω)	IZK (mA)	IR_Max (μA)	Product Name
								Industrial
0.35	2.2	2.6	5	100	600	1	50	BZT52C2V4
0.35	2.5	2.9	5	100	600	1	20	BZT52C2V7
0.35	2.8	3.2	5	95	600	1	10	BZT52C3V0
0.35	3.1	3.5	5	95	600	1	5	BZT52C3V3
0.35	3.4	3.8	5	90	600	1	5	BZT52C3V6
0.35	3.7	4.1	5	90	600	1	3	BZT52C3V9
0.35	4	4.6	5	90	600	1	3	BZT52C4V3
0.35	4.4	5	5	80	500	1	3	BZT52C4V7
0.35	4.8	5.4	5	60	480	1	2	BZT52C5V1
0.35	5.2	6	5	40	400	1	1	BZT52C5V6
0.35	5.8	6.6	5	10	150	1	3	BZT52C6V2
0.35	6.4	7.2	5	15	80	1	2	BZT52C6V8
0.35	7	7.9	5	15	80	1	1	BZT52C7V5
0.35	7.7	8.7	5	15	80	1	0.7	BZT52C8V2
0.35	8.5	9.6	5	15	100	1	0.5	BZT52C9V1
0.35	9.4	10.6	5	20	150	1	0.2	BZT52C10
0.35	10.4	11.6	5	20	150	1	0.1	BZT52C11
0.35	11.4	12.7	5	25	150	1	0.1	BZT52C12
0.35	12.4	14.1	5	30	170	1	0.1	BZT52C13
0.35	13.8	15.6	5	30	200	1	0.1	BZT52C15
0.35	15.3	17.1	5	40	200	1	0.1	BZT52C16
0.35	16.8	19.1	5	45	225	1	0.1	BZT52C18
0.35	18.8	21.2	5	55	225	1	0.1	BZT52C20
0.35	20.8	23.3	5	55	250	1	0.1	BZT52C22
0.35	22.8	25.6	5	70	250	1	0.1	BZT52C24
0.35	25.1	28.9	2	80	300	0.52	0.1	BZT52C27
0.35	28	32	2	80	300	0.5	0.1	BZT52C30
0.35	31	35	2	80	325	0.5	0.1	BZT52C33
0.35	34	38	2	90	350	0.5	0.1	BZT52C36
0.35	37	41	2	130	350	0.5	0.1	BZT52C39
0.35	40	46	5	100	700	1	0.1	BZT52C43

Parameter	Range	Unit
P _D	0.5 - 2.3	[W]
V _{Z_Min}	3.13 - 190	[V]
V _{Z_Max}	3.47 - 210	[V]
I _{ZT}	0.5 - 100	[mA]
I _{R_Max}	0.1 - 150	[uA]

SOD123-FL



PD (W)	VZ_Min (V)ns	VZ_Max (V)	IZT (mA)	ZZT_Max (Ω)	ZZK_Max (Ω)	IZK (mA)	IR_Max (μA)	Product Name	
								Industrial	Automotive
0.5	3.13	3.47	38	1000	1000	1	150	BZD52C3V3	
0.5	3.42	3.78	35	800	1000	1	120	BZD52C3V6	
0.5	3.71	4.1	32	600	800	1	120	BZD52C3V9	
0.5	4.09	4.52	29	600	600	1	20	BZD52C4V3	
0.5	4.47	4.94	27	80	600	1	10	BZD52C4V7	
0.5	4.85	5.36	25	60	500	1	5	BZD52C5V1	
0.5	5.32	5.88	22	40	500	1	5	BZD52C5V6	
0.5	5.89	6.51	20	20	500	1	5	BZD52C6V2	
0.5	6.46	7.14	5	15	80	1	2	BZD52C6V8	
0.5	7.13	7.88	5	15	80	1	1	BZD52C7V5	
0.5	7.79	8.61	5	15	80	1	0.7	BZD52C8V2	
0.5	8.65	9.56	5	15	100	1	0.5	BZD52C9V1	
0.5	9.5	10.5	5	20	150	1	0.2	BZD52C10	BZD52C10AU
0.5	10.5	11.6	5	20	150	1	0.1	BZD52C11	BZD52C11AU
0.5	11.4	12.6	5	25	150	1	0.1	BZD52C12	BZD52C12AU
0.5	12.4	13.7	5	30	170	1	0.1	BZD52C13	BZD52C13AU
0.5	14.3	15.8	5	30	200	1	0.1	BZD52C15	BZD52C15AU
0.5	15.2	16.8	5	40	200	1	0.1	BZD52C16	BZD52C16AU
0.5	17.1	18.9	5	45	225	1	0.1	BZD52C18	BZD52C18AU
0.5	19	21	5	55	225	1	0.1	BZD52C20	BZD52C20AU
0.5	20.9	23.1	5	55	250	1	0.1	BZD52C22	BZD52C22AU
0.5	22.8	25.2	5	70	250	1	0.1	BZD52C24	BZD52C24AU
0.5	25.7	28.4	2	80	300	0.5	0.1	BZD52C27	BZD52C27AU
0.5	28.5	31.5	2	80	300	0.5	0.1	BZD52C30	BZD52C30AU
0.5	31.4	34.7	2	80	325	0.5	0.1	BZD52C33	BZD52C33AU
0.5	34.2	37.8	2	90	350	0.5	0.1	BZD52C36	BZD52C36AU
0.5	37.1	41	2	130	350	0.5	0.1	BZD52C39	BZD52C39AU
0.5	40.9	45.2	2	100	700	0.5	0.1	BZD52C43	BZD52C43AU
0.5	44.7	49.4	2	100	750	0.5	0.1	BZD52C47	BZD52C47AU
0.5	48.5	53.6	2	100	750	0.5	0.1	BZD52C51	BZD52C51AU
0.5	53.2	58.8	2	150	1000	0.5	0.1	BZD52C56	BZD52C56AU
0.5	58.9	65.1	1	150	1000	0.5	0.1	BZD52C62	BZD52C62AU
0.5	64.6	71.4	1	200	1000	0.5	0.1	BZD52C68	BZD52C68AU
0.5	71.3	78.8	1	250	1500	0.5	0.1	BZD52C75	BZD52C75AU
0.5	77.9	86.1	0.5	250	1500	0.25	0.1	BZD52C82	BZD52C82AU
0.5	86.5	95.6	0.5	300	1700	0.25	0.1	BZD52C91	BZD52C91AU
0.5	95	105	0.5	300	1700	0.25	0.1	BZD52C100	BZD52C100AU
1	3.71	4.1	64	20	800	1	120	BZD55C3V9	
1	4.09	4.52	58	20	600	1	20	BZD55C4V3	
1	4.47	4.94	53	8	600	1	10	BZD55C4V7	

PD (W)	VZ_Min (V)ns	VZ_Max (V)	IZT (mA)	ZZT_Max (Ω)	ZZK_Max (Ω)	IZK (mA)	IR_Max (μA)	Product Name	
								Industrial	Automotive
1	4.85	5.36	49	7	500	1	5	BZD55C5V1	
1	5.32	5.88	45	5	500	1	5	BZD55C5V6	
1	5.89	6.51	41	4	500	1	5	BZD55C6V2	
1	6.46	7.14	37	3.5	500	1	5	BZD55C6V8	
1	7.12	7.88	34	4	200	0.5	5	BZD55C7V5	
1	7.79	8.61	31	4.5	200	0.5	5	BZD55C8V2	
1	8.65	9.56	28	5	700	0.5	5	BZD55C9V1	
1	9.5	10.5	25	7	700	0.25	5	BZD55C10	BZD55C10AU
1	10.5	11.6	23	8	700	0.25	4	BZD55C11	BZD55C11AU
1	11.4	12.6	21	9	700	0.25	3	BZD55C12	BZD55C12AU
1	12.4	13.7	19	10	700	0.25	2	BZD55C13	BZD55C13AU
1	14.3	15.8	17	14	700	0.25	1	BZD55C15	BZD55C15AU
1	15.2	16.8	15.5	16	700	0.25	1	BZD55C16	BZD55C16AU
1	17.1	18.9	14	20	750	0.25	1	BZD55C18	BZD55C18AU
1	19	21	12.5	22	750	0.25	1	BZD55C20	BZD55C20AU
1	20.9	23.1	11.5	23	750	0.25	1	BZD55C22	BZD55C22AU
1	22.8	25.2	10.5	25	750	0.25	1	BZD55C24	BZD55C24AU
1	25.7	28.4	9.5	35	750	0.25	1	BZD55C27	BZD55C27AU
1	28.5	31.5	8.5	40	1000	0.25	1	BZD55C30	BZD55C30AU
1	31.4	34.7	7.5	45	1000	0.25	1	BZD55C33	BZD55C33AU
1	34.2	37.8	7	50	1000	0.25	1	BZD55C36	BZD55C36AU
1	37.1	41	6.5	60	1000	0.25	1	BZD55C39	BZD55C39AU
1	40.9	45.2	6	70	1500	0.25	1	BZD55C43	BZD55C43AU
1	44.7	49.4	5.5	80	1500	0.25	1	BZD55C47	BZD55C47AU
1	48.5	53.6	5	95	1500	0.25	1	BZD55C51	BZD55C51AU
1	53.2	58.8	4.5	110	2000	0.25	1	BZD55C56	BZD55C56AU
1	58.9	65.1	4	125	2000	0.25	1	BZD55C62	BZD55C62AU
1	64.6	71.4	3.7	150	2000	0.25	1	BZD55C68	BZD55C68AU
1	71.3	78.8	3.3	175	2000	0.25	1	BZD55C75	BZD55C75AU
1	77.9	86.1	3	200	3000	0.25	1	BZD55C82	BZD55C82AU
1	86.5	95.6	2.8	250	3000	0.25	1	BZD55C91	BZD55C91AU
1	95	105	2.5	350	3000	0.25	1	BZD55C100	
1.5	3.71	4.1	96	20	800	1	120	BZD59C3V9	
1.5	4.09	4.52	87	20	600	1	20	BZD59C4V3	
1.5	4.47	4.94	79.8	8	600	1	10	BZD59C4V7	
1.5	4.85	5.36	73.5	7	500	1	5	BZD59C5V1	
1.5	5.32	5.88	67	5	500	1	5	BZD59C5V6	
1.5	5.89	6.51	60.5	4	500	1	5	BZD59C6V2	
1.5	6.46	7.14	55.1	2.5	200	1	20	BZD59C6V8	
1.5	7.13	7.88	50	3	400	0.5	10	BZD59C7V5	
1.5	7.79	8.61	45.7	3.5	400	0.5	10	BZD59C8V2	
1.5	8.65	9.56	41.2	4	500	0.5	10	BZD59C9V1	
1.5	9.5	10.5	37.5	4.5	500	0.25	10	BZD59C10	
1.5	10.5	11.6	34.1	5.5	550	0.25	5	BZD59C11	
1.5	11.4	12.6	31.2	6.5	550	0.25	1	BZD59C12	
1.5	12.4	13.7	28.8	7	550	0.25	1	BZD59C13	
1.5	14.3	15.8	25	9	600	0.25	1	BZD59C15	
1.5	15.2	16.8	23.4	10	600	0.25	1	BZD59C16	
1.5	17.1	18.9	20.8	12	650	0.25	1	BZD59C18	
1.5	19	21	18.7	14	650	0.25	1	BZD59C20	
1.5	20.9	23.1	17	17.5	650	0.25	1	BZD59C22	
1.5	22.8	25.2	15.6	19	700	0.25	1	BZD59C24	
1.5	25.7	28.4	13.9	23	700	0.25	1	BZD59C27	
1.5	28.5	31.5	12.5	28	750	0.25	1	BZD59C30	
1.5	31.4	34.7	11.4	33	800	0.25	1	BZD59C33	
1.5	34.2	37.8	10.4	38	850	0.25	1	BZD59C36	
1.5	37.1	41	9.6	45	900	0.25	1	BZD59C39	

PD (W)	VZ_Min (V)ns	VZ_Max (V)	IZT (mA)	ZZT_Max (Ω)	ZZK_Max (Ω)	IZK (mA)	IR_Max (μA)	Product Name
								Industrial
1.5	40.9	45.2	8.7	53	950	0.25	1	BZD59C43
1.5	44.7	49.4	8	67	1000	0.25	1	BZD59C47
1.5	48.5	53.6	7.3	70	1100	0.25	1	BZD59C51
1.5	53.2	58.8	6.7	86	1300	0.25	1	BZD59C56
1.5	58.9	65.1	6	100	1500	0.25	1	BZD59C62
1.5	64.6	71.4	5.5	120	1700	0.25	1	BZD59C68
1.5	71.3	78.8	5	140	1900	0.25	1	BZD59C75
1.5	77.9	86.1	4.6	160	2100	0.25	1	BZD59C82
1.5	86.5	95.6	4.1	180	2300	0.25	1	BZD59C91
1.5	95	105	3.8	200	2500	0.25	1	BZD59C100
2.3	3.71	4.1	96	20	800	1	120	BZD27C3V9
2.3	4.09	4.52	87	20	600	1	20	BZD27C4V3
2.3	4.47	4.94	79.8	8	600	1	10	BZD27C4V7
2.3	4.85	5.36	73.5	7	500	1	5	BZD27C5V1
2.3	5.32	5.88	67	5	500	1	5	BZD27C5V6
2.3	5.89	6.51	60.5	4	500	1	5	BZD27C6V2
2.3	6.46	7.14	100	3			10	BZD27C6V8
2.3	7.12	7.88	100	2			50	BZD27C7V5
2.3	7.79	8.61	100	2			10	BZD27C8V2
2.3	8.65	9.56	50	4			10	BZD27C9V1
2.3	9.5	10.5	50	4			7	BZD27C10
2.3	10.4	11.6	50	7			4	BZD27C11
2.3	11.4	12.6	50	7			3	BZD27C12
2.3	12.3	13.7	50	10			2	BZD27C13
2.3	14.2	15.8	50	10			1	BZD27C15
2.3	15.2	16.8	25	15			1	BZD27C16
2.3	17.1	18.9	25	15			1	BZD27C18
2.3	19	21	25	15			1	BZD27C20
2.3	20.9	23.1	25	15			1	BZD27C22
2.3	22.8	25.2	25	15			1	BZD27C24
2.3	25.6	28.4	25	15			1	BZD27C27
2.3	28.5	31.5	25	15			1	BZD27C30
2.3	31.3	34.7	25	15			1	BZD27C33
2.3	34.2	37.8	10	40			1	BZD27C36
2.3	37	41	10	40			1	BZD27C39
2.3	40.8	45.2	10	45			1	BZD27C43
2.3	44.6	49.4	10	45			1	BZD27C47
2.3	48.4	53.6	10	60			1	BZD27C51
2.3	53.2	58.8	10	60			1	BZD27C56
2.3	58.9	65.1	10	80			1	BZD27C62
2.3	64.6	71.4	10	80			1	BZD27C68
2.3	71.2	78.8	10	100			1	BZD27C75
2.3	77.9	86.1	10	100			1	BZD27C82
2.3	86.4	95.6	5	200			1	BZD27C91
2.3	95	105	5	200			1	BZD27C100
2.3	104.5	115.5	5	250			1	BZD27C110
2.3	114	126	5	250			1	BZD27C120
2.3	123.5	136.5	5	300			1	BZD27C130
2.3	142.5	157.5	5	300			1	BZD27C150
2.3	152	168	5	350			1	BZD27C160
2.3	171	189	5	400			1	BZD27C180
2.3	190	210	5	500			1	BZD27C200

Zener Diode

Parameter	Range	Unit
P _D	0.2	[W]
V _{Z_Min}	2.28 - 40.85	[V]
V _{Z_Max}	2.52 - 45.15	[V]
I _{ZT}	2 - 5	[mA]
I _{R_Max}	0.1 - 50	[uA]

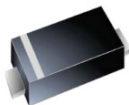
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PD (W)	VZ_Min (V)ns	VZ_Max (V)	IZT (mA)	ZZT_Max (Ω)	ZZK_Max (Ω)	IZK (mA)	IR_Max (μA)	Product Name
								Industrial
0.2	2.28	2.52	5	100	600	1	50	BZT52C2V4S
0.2	2.57	2.84	5	100	600	1	20	BZT52C2V7S
0.2	2.85	3.15	5	95	600	1	10	BZT52C3V0S
0.2	3.14	3.47	5	95	600	1	5	BZT52C3V3S
0.2	3.42	3.78	5	90	600	1	5	BZT52C3V6S
0.2	3.71	4.1	5	90	600	1	3	BZT52C3V9S
0.2	4.09	4.52	5	90	600	1	3	BZT52C4V3S
0.2	4.47	4.94	5	80	500	1	3	BZT52C4V7S
0.2	4.85	5.36	5	60	480	1	2	BZT52C5V1S
0.2	5.32	5.88	5	40	400	1	1	BZT52C5V6S
0.2	5.89	6.51	5	10	150	1	3	BZT52C6V2S
0.2	6.46	7.14	5	15	80	1	2	BZT52C6V8S
0.2	7.13	7.88	5	15	80	1	1	BZT52C7V5S
0.2	7.79	8.61	5	15	80	1	0.7	BZT52C8V2S
0.2	8.65	9.56	5	15	100	1	0.5	BZT52C9V1S
0.2	9.5	10.5	5	20	150	1	0.2	BZT52C10S
0.2	10.45	11.55	5	20	150	1	0.1	BZT52C11S
0.2	11.4	12.6	5	25	150	1	0.1	BZT52C12S
0.2	12.35	13.65	5	30	170	1	0.1	BZT52C13S
0.2	14.25	15.75	5	30	200	1	0.1	BZT52C15S
0.2	15.2	16.8	5	40	200	1	0.1	BZT52C16S
0.2	17.1	18.9	5	45	225	1	0.1	BZT52C18S
0.2	19	21	5	55	225	1	0.1	BZT52C20S
0.2	20.9	23.1	5	55	250	1	0.1	BZT52C22S
0.2	22.8	25.2	5	70	250	1	0.1	BZT52C24S
0.2	25.65	28.35	2	80	300	0.5	0.1	BZT52C27S
0.2	28.5	31.5	2	80	300	0.5	0.1	BZT52C30S
0.2	31.35	34.65	2	80	325	0.5	0.1	BZT52C33S
0.2	34.2	37.8	2	90	350	0.5	0.1	BZT52C36S
0.2	37.05	40.95	2	130	350	0.5	0.1	BZT52C39S
0.2	40.85	45.15	2	130	350	0.5	0.1	BZT52C43S

Parameter	Range	Unit
P _D	0.2	[W]
V _{Z_Min}	2.2 - 71.25	[V]
V _{Z_Max}	2.6 - 78.75	[V]
I _{ZT}	2 - 5	[mA]
I _{R_Max}	0.1 - 50	[uA]

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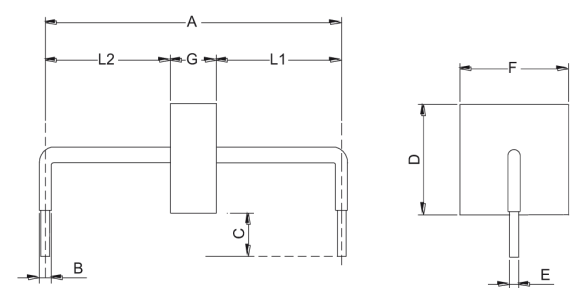
PD (W)	VZ_Min (V)ns	VZ_Max (V)	IZT (mA)	ZZT_Max (Ω)	ZZK_Max (Ω)	IZK (mA)	IR_Max (μA)	Product Name	
								Industrial	
0.2	2.2	2.6	5	100	600	1	50	BZX584C2V4	
0.2	2.5	2.9	5	100	600	1	20	BZX584C2V7	
0.2	2.8	3.2	5	95	600	1	10	BZX584C3V0	
0.2	3.1	3.5	5	95	600	1	5	BZX584C3V3	
0.2	3.4	3.8	5	90	600	1	5	BZX584C3V6	
0.2	3.7	4.1	5	90	600	1	3	BZX584C3V9	
0.2	4	4.6	5	90	600	1	3	BZX584C4V3	
0.2	4.4	5	5	80	500	1	3	BZX584C4V7	
0.2	4.8	5.4	5	60	480	1	2	BZX584C5V1	
0.2	5.2	6	5	40	400	1	1	BZX584C5V6	
0.2	5.8	6.6	5	10	150	1	3	BZX584C6V2	
0.2	6.4	7.2	5	15	80	1	2	BZX584C6V8	
0.2	7	7.9	5	15	80	1	1	BZX584C7V5	
0.2	7.7	8.7	5	15	80	1	0.7	BZX584C8V2	
0.2	8.5	9.6	5	15	100	1	0.5	BZX584C9V1	
0.2	9.4	10.6	5	20	150	1	0.2	BZX584C10	
0.2	10.4	11.6	5	20	150	1	0.1	BZX584C11	
0.2	11.4	12.7	5	25	150	1	0.1	BZX584C12	
0.2	12.4	14.1	5	30	170	1	0.1	BZX584C13	
0.2	13.8	15.6	5	30	200	1	0.1	BZX584C15	
0.2	15.3	17.1	5	40	200	1	0.1	BZX584C16	
0.2	16.8	19.1	5	45	225	1	0.1	BZX584C18	
0.2	18.8	21.2	5	55	225	1	0.1	BZX584C20	
0.2	20.8	23.3	5	55	250	1	0.1	BZX584C22	
0.2	22.8	25.6	5	70	250	1	0.1	BZX584C24	
0.2	25.1	28.9	2	80	300	0.5	0.1	BZX584C27	
0.2	28	32	2	80	300	0.5	0.1	BZX584C30	
0.2	31	35	2	80	325	0.5	0.1	BZX584C33	
0.2	34	38	2	90	350	0.5	0.1	BZX584C36	
0.2	37	41	2	130	350	0.5	0.1	BZX584C39	
0.2	40	46	2	100	700	1	0.1	BZX584C43	
0.2	44.65	49.35	2	170	1000	0.25	0.1	BZX584C47	
0.2	48.45	53.55	2	180	1300	0.25	0.1	BZX584C51	
0.2	58.9	65.1	2	225	1400	0.25	0.1	BZX584C62	
0.2	64.6	71.4	2	240	1600	0.25	0.1	BZX584C68	
0.2	71.25	78.75	2	265	1700	0.25	0.1	BZX584C75	

Parameter	Range	Unit
P _D	0.225 - 0.3	[W]
V _{Z_Min}	2.28 - 40.85	[V]
V _{Z_Max}	2.52 - 45.15	[V]
I _{ZT}	1 - 20	[mA]
I _{R_Max}	0.05 - 50	[uA]

SOT-23

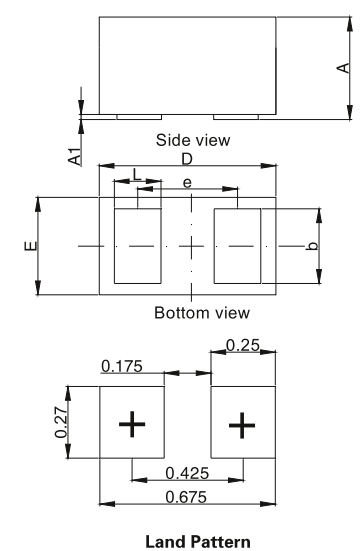


PD (W)	VZ_Min (V)ns	VZ_Max (V)	IZT (mA)	ZZT_Max (Ω)	ZZK_Max (Ω)	IZK (mA)	IR_Max (μA)	Product Name	
								Industrial	Automotive
0.3	2.28	2.52	5	100	600	1	50	BZT52C2V4S	
0.3	2.57	2.84	5	100	600	1	20	BZT52C2V7S	
0.3	2.85	3.15	5	95	600	1	10	BZT52C3V0S	
0.3	3.14	3.47	5	95	600	1	5	BZT52C3V3S	BZX84C3V3AU
0.3	3.42	3.78	5	90	600	1	5	BZT52C3V6S	BZX84C3V6AU
0.3	3.71	4.1	5	90	600	1	3	BZT52C3V9S	BZX84C3V9AU
0.3	4.09	4.52	5	90	600	1	3	BZT52C4V3S	BZX84C4V3AU
0.3	4.47	4.94	5	80	500	1	3	BZT52C4V7S	BZX84C4V7AU
0.3	4.85	5.36	5	60	480	1	2	BZT52C5V1S	BZX84C5V1AU
0.3	5.32	5.88	5	40	400	1	1	BZT52C5V6S	BZX84C5V6AU
0.3	5.89	6.51	5	10	150	1	3	BZT52C6V2S	BZX84C6V2AU
0.3	6.46	7.14	5	15	80	1	2	BZT52C6V8S	BZX84C6V8AU
0.3	7.13	7.88	5	15	80	1	1	BZT52C7V5S	BZX84C7V5AU
0.3	7.79	8.61	5	15	80	1	0.7	BZT52C8V2S	BZX84C8V2AU
0.3	8.65	9.56	5	15	100	1	0.5	BZT52C9V1S	BZX84C9V1AU
0.3	9.5	10.5	5	20	150	1	0.2	BZT52C10S	BZX84C10AU
0.3	10.45	11.55	5	20	150	1	0.1	BZT52C11S	BZX84C11AU
0.3	11.4	12.6	5	25	150	1	0.1	BZT52C12S	BZX84C12AU
0.3	12.35	13.65	5	30	170	1	0.1	BZT52C13S	BZX84C13AU
0.3	14.25	15.75	5	30	200	1	0.1	BZT52C15S	BZX84C15AU
0.3	15.2	16.8	5	40	200	1	0.1	BZT52C16S	BZX84C16AU
0.3	17.1	18.9	5	45	225	1	0.1	BZT52C18S	BZX84C18AU
0.3	19	21	5	55	225	1	0.1	BZT52C20S	BZX84C20AU
0.3	20.9	23.1	5	55	250	1	0.1	BZT52C22S	BZX84C22AU
0.3	22.8	25.2	5	70	250	1	0.1	BZT52C24S	BZX84C24AU
0.3	25.65	28.35	2	80	300	0.5	0.1	BZT52C27S	BZX84C27AU
0.3	28.5	31.5	2	80	300	0.5	0.1	BZT52C30S	BZX84C30AU
0.3	31.35	34.65	2	80	325	0.5	0.1	BZT52C33S	BZX84C33AU
0.3	34.2	37.8	2	90	350	0.5	0.1	BZT52C36S	BZX84C36AU
0.3	37.05	40.95	2	130	350	0.5	0.1	BZT52C39S	BZX84C39AU
0.3	40.85	45.15	2	100	700	1	0.1	BZT52C43S	BZX84C43AU
0.225	5.32	5.88	20				5		MMBZ5V6ALAU
0.225	5.89	6.51	1				0.5		MMBZ6V2ALAU
0.225	6.46	7.14	1				0.5		MMBZ6V8ALAU
0.225	8.65	9.56	1				0.3		MMBZ9V1ALAU
0.225	11.4	12.6	1				0.2		MMBZ12VALAU
0.225	14.25	15.75	1				0.05		MMBZ15VALAU
0.225	15.2	16.8	1				0.05		MMBZ16VALAU
0.225	17.1	18.9	1				0.05		MMBZ18VALAU
0.225	19	21	1				0.05		MMBZ20VALAU
0.225	25.65	28.35	1				0.05		MMBZ27VALAU
0.225	31.35	34.65	1				0.05		MMBZ33VALAU



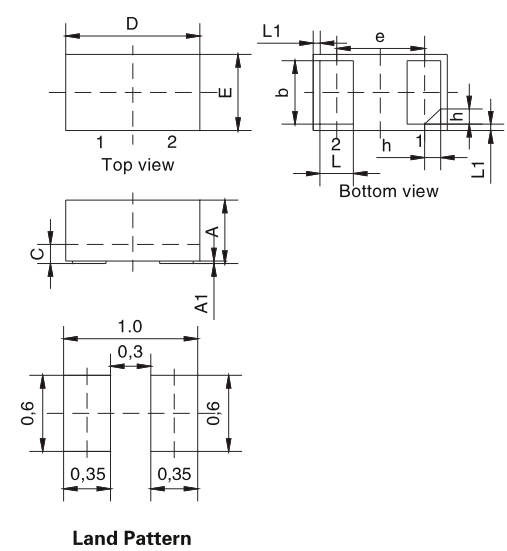
Symbol	Dimensions	
	Inches	Millimeters
A	0.951±0.039	24.15±1.00
B	0.094±0.024	2.40±0.60
C	0.236±0.039	6.00±1.00
D	0.570max	14.48max
E	0.050±0.002	1.27±0.05
F	0.500max	12.70max
G	076C	0.169±0.047
	380C to 430C	0.287±0.047
L1/L2	L1=L2 tolerance±0.047inch(±1.20 mm)	

DFN0603-2L



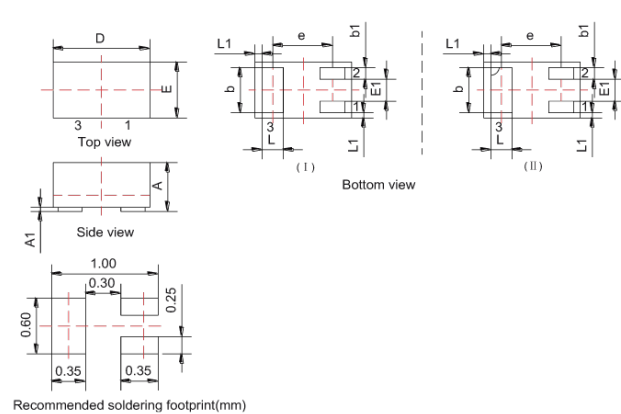
Symbol	Millimeter		
	Min.	Typ.	Max.
A	0.27		0.33
A1	0.00		0.025
b	0.21		0.9
D	0.56		0.66
E	0.28		0.35
e		0.355	
L	0.14		0.22

DFN1006-2L



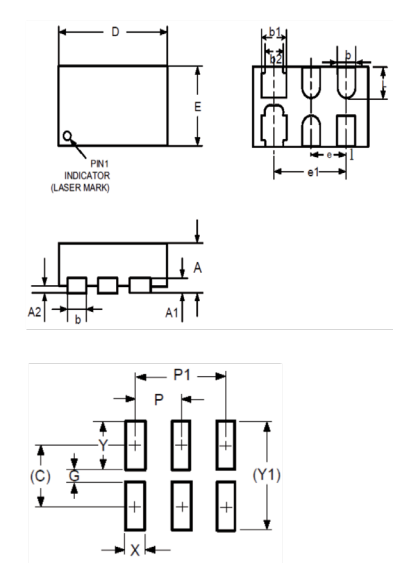
Symbol	Millimeter		
	Min.	Typ.	Max.
A	0.45	0.50	0.55
A1	0	0.02	0.05
b	0.45	0.50	0.55
C	0.12	0.15	0.18
D	0.95	1.00	1.05
e	0.65BSC		
E	0.55	0.60	0.65
L	0.20	0.25	0.30
L1	0.05REF		
h	0.07	0.12	0.17

DFN1006-3L



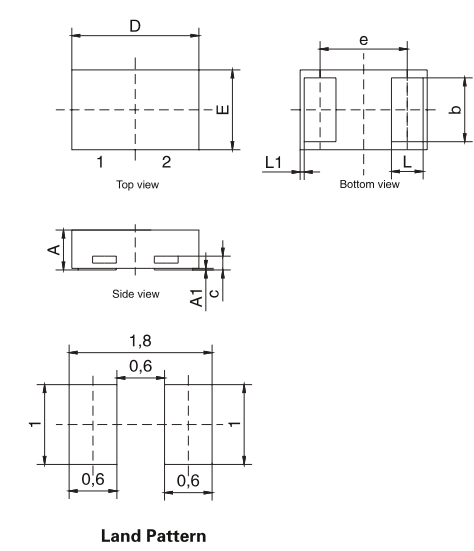
Symbol	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	0.41	0.48	0.51	0.016	0.019	0.020
A1	0.00	0.02	0.05	0.000	0.001	0.002
b	0.45	0.50	0.55	0.018	0.020	0.022
b1	0.10	0.15	0.20	0.004	0.006	0.008
D	0.95	1.00	1.05	0.037	0.039	0.041
e	0.65BSC			0.026BSC		
E	0.55	0.60	0.65	0.022	0.024	0.026
E1	0.15	0.20	0.25	0.006	0.008	0.010
L	0.20	0.25	0.30	0.008	0.010	0.012
L1	0.05REF			0.002REF		

DFN1610-6L



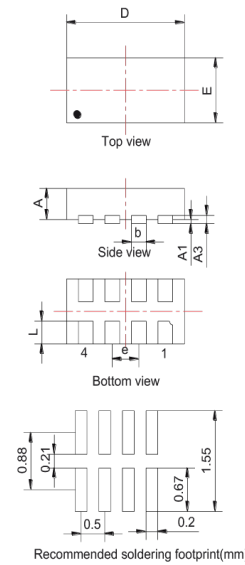
Symbol	Millimeters		Inches	
	Min.	Max.	Min.	Max.
D	1.55	1.65	0.061	0.065
E	0.95	1.05	0.037	0.041
L	0.33	0.43	0.013	0.017
b	0.15	0.25	0.006	0.010
b1	0.35	0.45	0.014	0.018
b2	0.25	0.35	0.010	0.014
e	0.50BSC		0.020BSC	
e1	1.00BSC		0.039BSC	
A	0.45	0.55	0.018	0.022
A1	0.15REF		0.006REF	
A2	0.00	0.05	0.000	0.002
C	0.60		0.024	
G	0.10		0.004	
P	0.50		0.020	
P1	1.0		0.039	
X	0.30		0.012	
Y	0.50		0.020	
Y1	1.10		0.043	

DFN1610-2L



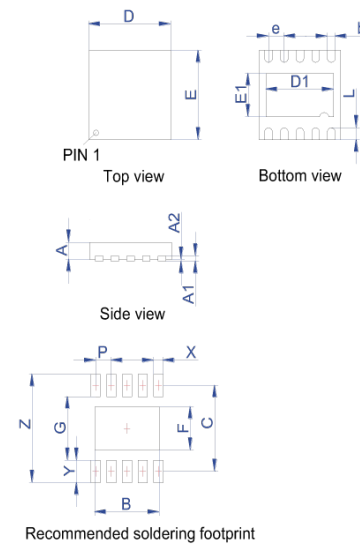
Symbol	Millimeter		
	Min.	Typ.	Max.
A	0.45	0.50	0.55
A1	0.00	0.02	0.05
b	0.85	0.90	0.95
c	0.08	0.12	0.18
D	1.55	1.60	1.65
e	1.1BSC		
E	0.95	1.00	1.05
L	0.35	0.40	0.45
L1	0.06BSC		

DFN2010-8L



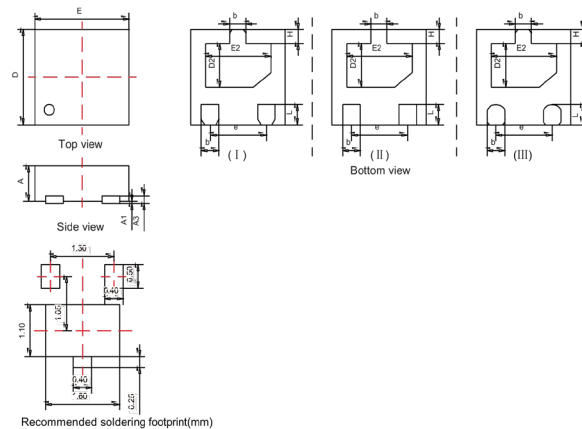
Symbol	Millimeters			Inches		
	Min	Typ	Max	Min	Typ	Max
A	0.46	0.48	0.51	0.018	0.019	0.020
A1	0.00	0.002	0.05	0.000	0.000	0.002
A3	0.127typ.			0.005 typ.		
b	0.20	0.20	0.30	0.008	0.008	0.012
D	1.90	2.00	2.10	0.075	0.079	0.083
E	0.90	1.00	1.10	0.035	0.039	0.043
e	0.50typ.			0.020typ.		
L	0.32	0.36	0.43	0.013	0.014	0.017

DFN2.6x2.6-10L



Symbol	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
D	2.55	2.60	2.65	0.100	0.102	0.104
E	2.55	2.60	2.65	0.100	0.102	0.104
D1	2.10	2.15	2.20	0.083	0.085	0.087
E1	1.21	1.26	1.31	0.048	0.050	0.052
L	0.30	0.35	0.40	0.012	0.014	0.016
b	0.20	0.25	0.30	0.008	0.010	0.012
e	0.50BSC			0.020BSC		
A	0.45	0.50	0.55	0.018	0.020	0.022
A1	0.15REF			0.006REF		
A2	0.00	0.02	0.05	0.000	0.001	0.002
B	2.05			0.081		
C	2.50			0.098		
F	1.26			0.050		
G	1.85			0.073		
P	0.50			0.020		
X	0.30			0.012		
Y	0.65			0.026		
Z	3.15			0.124		

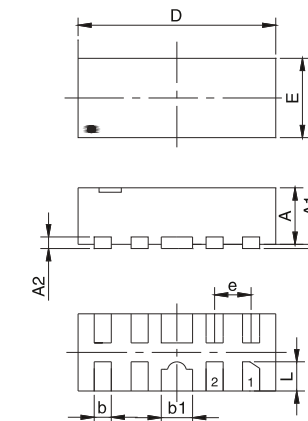
DFN22-3L



Symbol	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	0.45	0.50	0.60	0.018	0.020	0.024
A1	0.00	0.02	0.05	0.000	0.001	0.002
A3	0.15REF			0.006REF		
b	0.25	0.30	0.35	0.010	0.012	0.014
D	1.90	2.00	2.10	0.075	0.079	0.083
E	1.90	2.00	2.10	0.075	0.079	0.083
D2	0.85	1.05	1.15	0.033	0.041	0.045
E2	1.40	1.50	1.60	0.055	0.059	0.063
e	1.30BSC			0.051BSC		
H	0.20	0.25	0.30	0.008	0.010	0.012
L	0.35	0.40	0.45	0.014	0.016	0.018

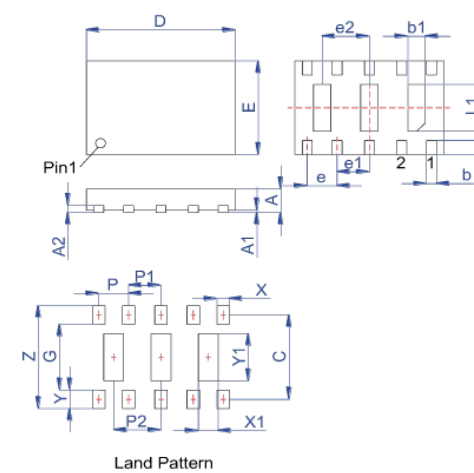
DFN2510-10L

PACKAGEMECHANICALDATA



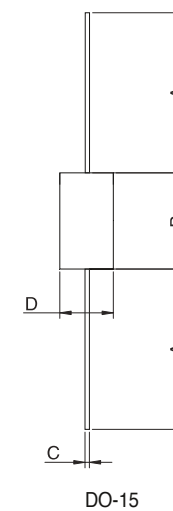
Symbol	Millimeter		Inches	
	Min.	Max.	Min.	Max.
A	0.50	0.65	0.020	0.026
A1	0.00	0.05	0.000	0.002
A2	0.13REF.		0.005REF.	
b	0.15	0.25	0.006	0.010
b1	0.35	0.45	0.014	0.018
D	2.40	2.60	0.094	0.102
E	0.90	1.10	0.035	0.043
e	0.50BSC		0.020BSC	
L	0.30	0.425	0.012	0.017

DFN3020-10L



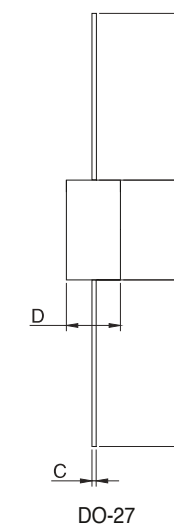
Symbol	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
D	2.95	3.00	3.05	0.116	0.118	0.120
E	1.95	2.00	2.05	0.077	0.079	0.081
A	0.45	0.50	0.55	0.018	0.020	0.022
A1	0.00	0.02	0.05	0.000	0.001	0.002
A2	0.15REF			0.006REF		
b	0.15	0.20	0.25	0.006	0.008	0.010
b1	0.30	0.35	0.40	0.012	0.014	0.016
e	0.60BSC			0.024BSC		
e1	0.65BSC			0.026BSC		
e2	0.95BSC			0.037BSC		
L	0.25	0.30	0.35	0.010	0.012	0.014
L1	0.95	1.00	1.05	0.037	0.039	0.041
C	1.80			0.071		
G	1.40			0.055		
P	0.60			0.024		
P1	0.65			0.026		
P2	0.95			0.037		
X	0.25			0.010		
X1	0.40			0.016		
Y	0.40			0.016		
Y1	1.00			0.039		
Z	2.20			0.087		

DO-15



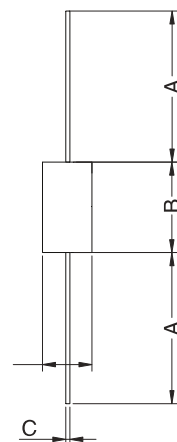
Ref.	Dimensions			
	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	1.000	—	25.40	—
B	0.228	0.300	5.80	7.62
C	0.022	0.035	0.56	0.89
D	0.102	0.142	2.60	3.60

DO-27



Ref.	Dimensions			
	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	1.000	–	25.40	–
B	0.283	0.378	7.20	9.60
C	0.038	0.047	0.96	1.20
D	0.189	0.213	4.80	5.40

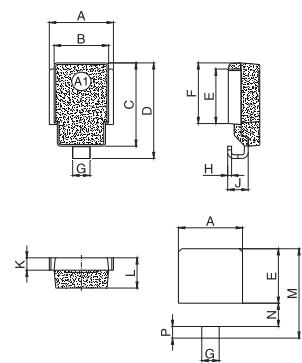
DO-41



DO-41

Ref.	Dimensions			
	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	1.000	—	25.40	—
B	0.193	0.209	4.90	5.30
C	0.027	0.035	0.69	0.89
D	0.095	0.110	2.40	2.80

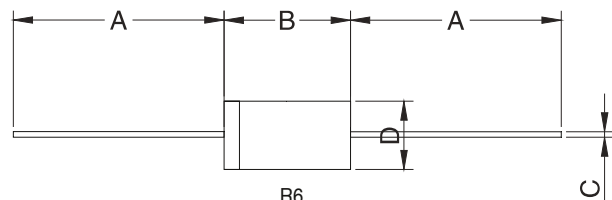
DO-218AB



DO-218AB

Ref.	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	9.5	10.5	0.374	0.413
B	8.3	8.7	0.327	0.342
C	13.3	13.7	0.524	0.539
D	15.0	16.0	0.592	0.628
E	8.5	9.1	0.335	0.358
F	9.5	10.1	0.374	0.398
G	2.4	3.0	0.094	0.118
H	0.5	0.7	0.020	0.028
J	2.7	3.7	0.106	0.146
K	1.9	2.1	0.075	0.083
L	4.7	5.1	0.185	0.201
M	14.2	14.8	0.559	0.583
N	3.5	4.1	0.138	0.161
P	1.6	2.2	0.063	0.087

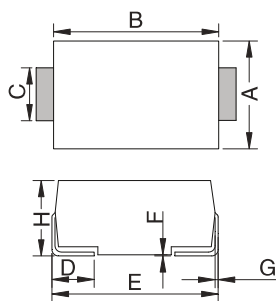
R6



R6

Ref.	Dimensions			
	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	1.000	—	25.40	—
B	0.339	0.370	8.60	9.40
C	0.047	0.055	1.20	1.40
D	0.339	0.358	8.60	9.10

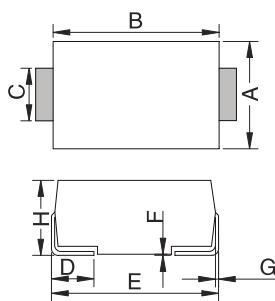
SMA



DO-214AC (SMA)

Ref.	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	2.60	3.00	0.102	0.118
B	4.15	4.65	0.163	0.183
C	1.25	1.65	0.049	0.065
D	0.95	1.52	0.037	0.060
E	4.90	5.30	0.193	0.209
F	0.051	0.203	0.002	0.008
G	0.15	0.31	0.006	0.012
H	2.00	2.44	0.079	0.096
J	2.00	—	0.079	—
K	—	2.30	—	0.091
L	1.80	—	0.071	—

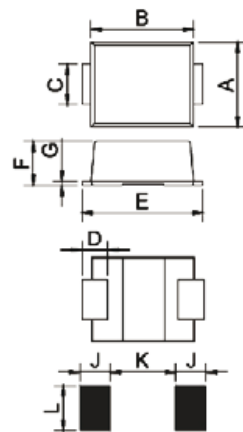
SMB



DO-214AA (SMB)

Ref.	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	3.30	3.94	0.130	0.155
B	4.30	4.80	0.169	0.189
C	1.90	2.20	0.075	0.087
D	0.95	1.52	0.037	0.060
E	5.20	5.60	0.205	0.220
F	0.051	0.203	0.002	0.008
G	0.15	0.31	0.006	0.012
H	2.10	2.40	0.083	0.094
J	2.20	—	0.087	—
K	—	2.60	—	0.102
L	2.30	—	0.091	—

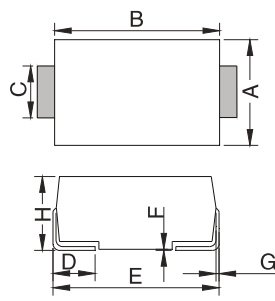
SMBF



SMBF

Ref.	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	3.90	4.50	0.154	0.177
B	4.65	5.15	0.183	0.203
C	1.85	2.15	0.073	0.085
D	0.60	—	0.024	—
E	5.60	6.00	0.220	0.236
F	2.05	2.35	0.081	0.093
G	0.12	0.28	0.005	0.011
J	2.00	—	0.079	—
K	—	3.20	—	0.126
L	2.30	—	0.091	—

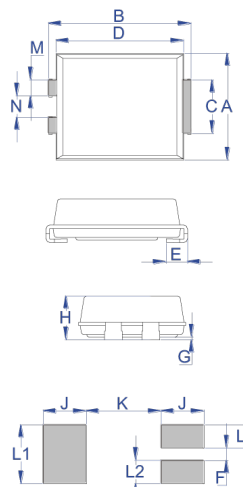
SMC



DO-214AB (SMC)

Ref.	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	5.75	6.25	0.226	0.246
B	6.90	7.40	0.272	0.291
C	2.75	3.25	0.108	0.128
D	0.95	1.52	0.037	0.060
E	7.70	8.20	0.303	0.323
F	0.051	0.203	0.002	0.008
G	0.15	0.31	0.006	0.012
H	2.15	2.62	0.085	0.103
J	2.40	—	0.094	—
K	—	4.20	—	0.165
L	3.30	—	0.130	—

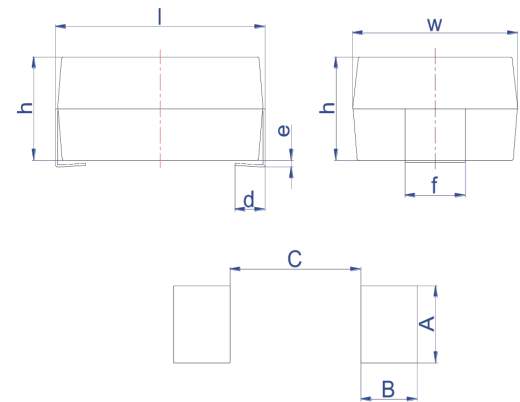
SMC-3



SMC-3

Ref.	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	5.75	6.25	0.226	0.246
B	7.70	8.20	0.303	0.323
C	2.75	3.25	0.108	0.128
D	6.90	7.40	0.272	0.291
E	0.95	1.52	0.037	0.060
G	—	0.30	—	0.012
H	2.15	2.62	0.085	0.103
M	0.70	1.10	0.028	0.043
N	1.00	1.40	0.039	0.055
L2	1.30	—	0.051	—
F	0.70	—	0.028	—
J	2.40	—	0.094	—
K	—	4.20	—	0.165
L1	3.30	—	0.130	—

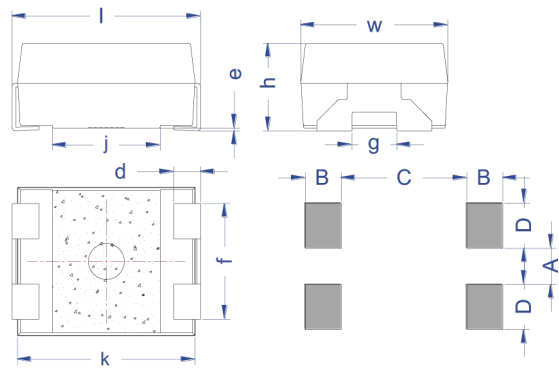
SMT



Recommended solder pad layout

Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
l	10.20		11.00	0.402		0.433
w	7.90		8.50	0.311		0.335
h	4.40		5.00	0.173		0.197
d	1.20		1.80	0.047		0.071
e	0		0.30	0		0.012
f	2.70		3.30	0.106		0.130
A		3.50			0.138	
B		2.80			0.110	
C		6.50			0.256	

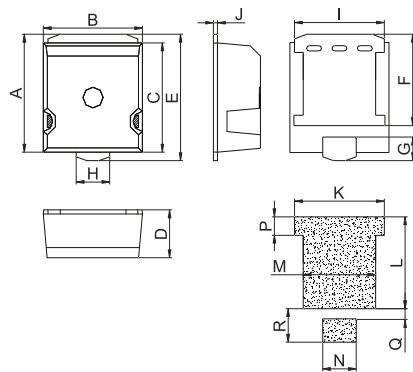
SMT-4



SMT-4

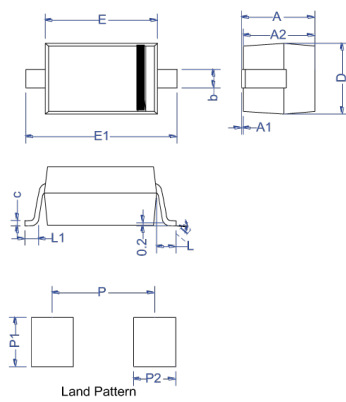
Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
l	10.10		10.70	0.398		0.421
w	7.70		8.30	0.303		0.327
h	4.20		5.00	0.165		0.197
d	1.20		1.80	0.047		0.071
e	0		0.30	0		0.012
f	6.20		6.60	0.244		0.260
g	2.40		2.60	0.094		0.102
j	5.90		6.10	0.232		0.240
k	9.70		10.1	0.382		0.398
A			2.00			0.079
B	2.00			0.079		
C			7.00			0.276
D	2.50			0.098		

SMT0-218Tab



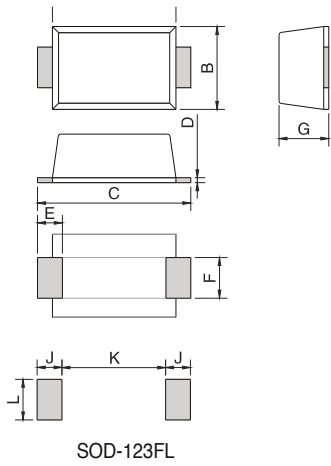
Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	17.00		17.60	0.669		0.693
B	14.50		15.10	0.571		0.594
C	15.75		16.35	0.620		0.644
D	6.85		7.20	0.270		0.283
E	18.20		18.70	0.717		0.736
F	13.10		13.60	0.516		0.535
G	3.15		3.75	0.124		0.148
H	4.85		5.15	0.191		0.203
I	13.20		13.60	0.520		0.535
J	0.50		0.70	0.020		0.028
K		13.70			0.539	
L		13.45			0.530	
M		10.80			0.425	
N		5.30			0.209	
P		3.00			0.118	
Q		1.50			0.059	
R		4.90			0.193	

SOD-123



Symbol	Millimeters		Inches	
	Min	Max	Min	Max
A	1.05	1.25	0.041	0.049
A1	0.00	0.10	0.000	0.004
A2	1.05	1.15	0.041	0.045
b	0.45	0.65	0.018	0.026
c	0.08	0.15	0.003	0.006
D	1.50	1.70	0.059	0.067
E	2.60	2.80	0.102	0.110
E1	3.55	3.85	0.140	0.152
L	0.50REF.		0.020 REF.	
L1	0.25	0.45	0.010	0.018
θ	0°	8°	0°	8°
P	3.24		0.128	
P1	1.00		0.039	
P2	0.80		0.031	

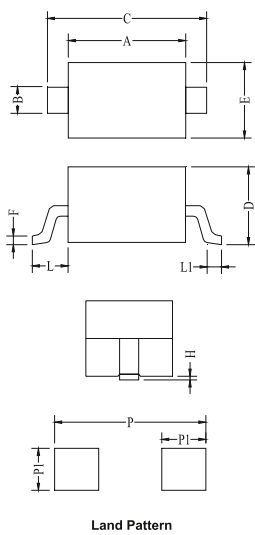
SOD-123FL



SOD-123FL

Ref.	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	2.60	3.00	0.102	0.118
B	1.60	2.00	0.063	0.079
C	3.45	3.95	0.136	0.156
D	0.10	0.25	0.004	0.01
E	0.3	0.9	0.012	0.035
F	0.80	1.20	0.031	0.047
G	0.95	1.35	0.037	0.053
J	1.30		0.051	
K		1.70		0.067
L	1.30		0.051	

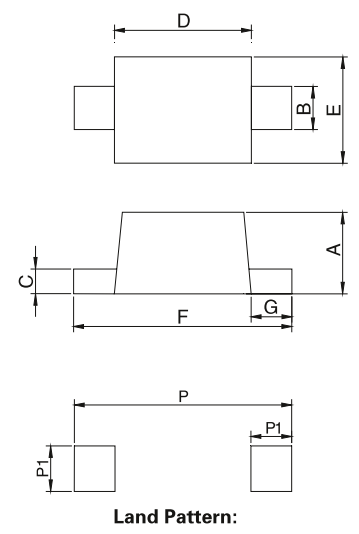
SOD-323



Land Pattern

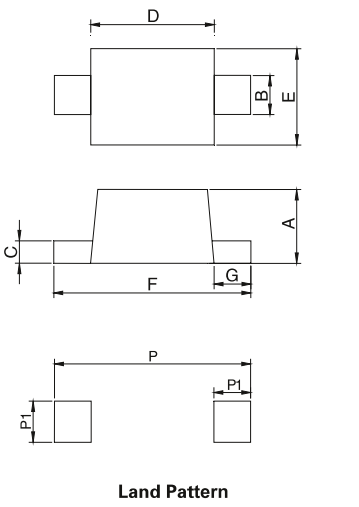
Symbol	Millimeter		Inches	
	Min	Max	Min	Max
A	1.60	1.80	0.063	0.071
B	0.25	0.35	0.010	0.014
C	2.50	2.70	0.098	0.106
D	0.00	1.00	0.000	0.039
E	1.20	1.40	0.047	0.055
F	0.08	0.15	0.003	0.006
L	0.475REF		0.019REF	
L1	0.25	0.40	0.010	0.016
H	0.00	0.10	0.000	0.004
P	3.00		0.118	
P1	0.80		0.031	

SOD-523



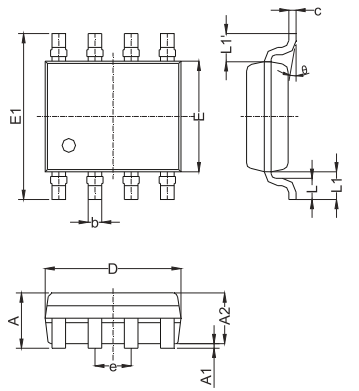
Symbol	Millimeter		Inches	
	Min	Max	Min	Max
A	0.50	0.70	0.020	0.028
B	0.25	0.35	0.010	0.014
C	0.07	0.20	0.0028	0.0079
D	1.10	1.30	0.043	0.051
E	0.70	0.90	0.028	0.035
F	1.50	1.70	0.059	0.067
G	0.15	0.25	0.006	0.010
P1	0.40		0.016	
P	1.80		0.072	

SOD-923



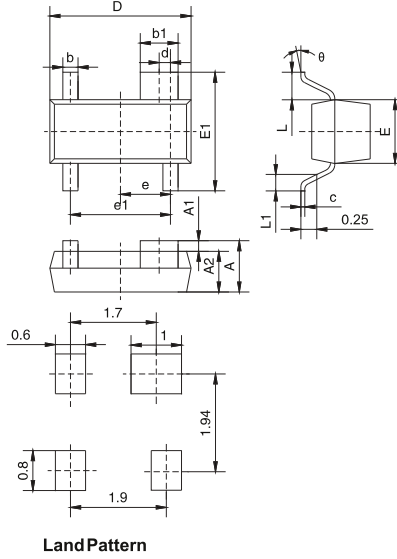
Symbol	Millimeter		Inches	
	Min	Max	Min	Max
A	0.36	0.43	0.014	0.017
B	0.15	0.25	0.006	0.010
C	0.07	0.17	0.003	0.007
D	0.75	0.85	0.030	0.033
E	0.55	0.65	0.026	0.028
F	0.95	1.05	0.037	0.041
G	0.05	0.15	0.002	0.006
P1	0.40		0.016	
P	0.9		0.036	

SOP-8



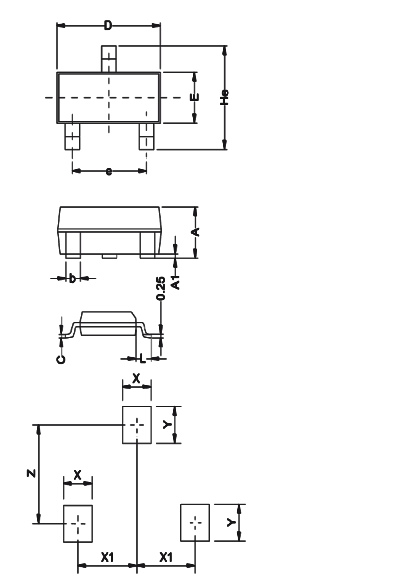
Ref.	Dimensions					
	Millimeters			Inches		
A	1.40		1.70	0.055		0.067
A1	0.05		0.15	0.002		0.006
A2	1.35		1.55	0.053		0.061
b	0.31		0.51	0.015		0.017
c	0.17		0.25	0.007		0.010
D	4.70		5.10	0.185		0.200
E	3.88		3.93	0.153		0.155
E1	5.80		6.20	0.228		0.244
e	1.14	1.27	1.40	0.045	0.050	0.055
L	0.62		0.77	0.024		0.030
L1	1.00	1.02	1.04	0.039	0.04	0.048
L1-L1'			0.12			0.005
θ	0±		8±	0±		8±

SOT-143



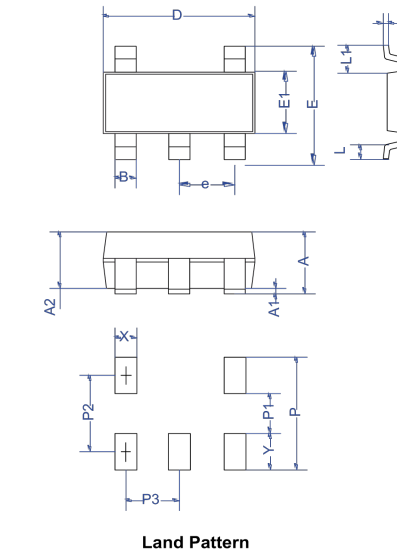
Symbol	Millimeter		Inches	
	Min.	Max.	Min.	Max.
A	0.90	1.15	0.035	0.045
A1	0.00	0.10	0.000	0.004
A2	0.90	1.05	0.035	0.041
b	0.30	0.50	0.012	0.020
b1	0.75	0.90	0.030	0.035
c	0.08	0.15	0.003	0.006
D	2.80	3.00	0.110	0.118
d	0.20Typ.		0.008Typ.	
E	1.20	1.40	0.047	0.055
E1	2.25	2.55	0.089	0.100
e	0.95Typ.		0.037Typ.	
e1	1.80	2.00	0.071	0.079
L	0.55Typ.		0.022Typ.	
L1	0.30	0.50	0.012	0.020
θ	0.30	0.425	0.012	0.017

SOT-23



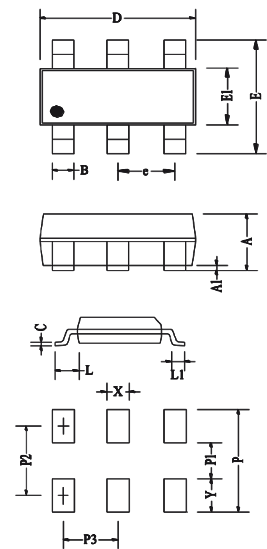
Symbol	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	0.90	1.063	1.15	0.035	0.042	0.045
A1	0.00	0.075	0.14	0.000	0.003	0.006
b	0.30	0.40	0.50	0.012	0.016	0.020
C	0.07	0.10	0.15	0.003	0.004	0.006
D	2.80	2.90	3.00	0.110	0.114	0.118
e	1.80	1.90	2.00	0.071	0.075	0.079
E	1.20	1.30	1.40	0.047	0.051	0.055
L	0.55REF			0.022REF		
He	2.25	2.40	2.55	0.089	0.094	0.100
X	0.80			0.031		
X1	0.95			0.037		
Y	0.80			0.031		
Z	2.02			0.080		

SOT-23-5L



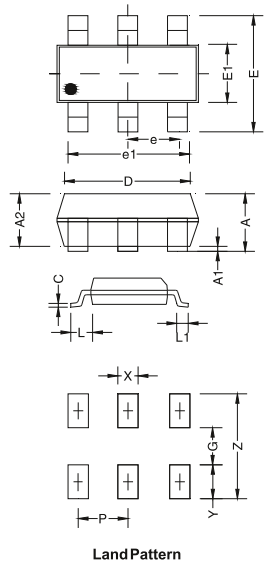
Symbol	Millimeter			Inches		
	Min	Typ	Max	Min	Typ	Max
A	0.90	1.15	1.45	0.035	0.045	0.057
A1	0.00	0.05	0.14	0.000	0.002	0.006
A2	0.90	1.10	1.30	0.035	0.043	0.051
B	0.25	0.35	0.50	0.010	0.014	0.020
C	0.08	0.15	0.22	0.003	0.006	0.009
D	2.79	2.90	3.10	0.110	0.114	0.122
e	0.95BSC			0.037 BSC		
E1	1.50	1.60	1.75	0.059	0.063	0.069
E	2.80BSC			0.110BSC		
L	0.30	0.45	0.60	0.012	0.018	0.024
L1	0.60			0.024		
X	0.60			0.024		
Y	1.10			0.043		
P	3.60			0.142		
P1	1.40			0.055		
P2	2.50			0.098		
P3	0.95			0.037		

SOT23-6L



Symbol	Millimeter			Inches		
	Min	Typ	Max	Min	Typ	Max
A	0.90	1.18	1.45	0.035	0.046	0.057
A1	0.02	0.08	0.14	0.001	0.003	0.006
B	0.35	0.40	0.50	0.014	0.016	0.020
C	0.08	0.15	0.20	0.003	0.006	0.008
D	2.92	3.00	3.02	0.115	0.118	0.119
e	0.69	0.95	1.02	0.027	0.037	0.040
E1	1.50	1.60	1.75	0.059	0.063	0.069
E	2.80BSC			0.110BSC		
L1	0.35	0.45	0.55	0.014	0.018	0.022
L	0.6			0.024		
X	0.6			0.024		
Y	1.1			0.043		
P	3.6			0.142		
P1	1.4			0.055		
P2	2.5			0.098		
P3	0.95			0.037		

SOT-363

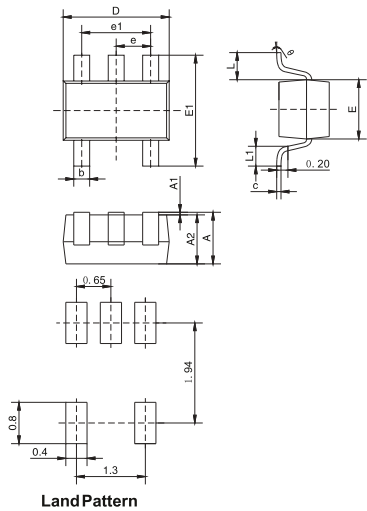


Symbol	Millimeter		Inches	
	Min	Max	Min	Max
A	0.900	1.100	0.035	0.043
A1	0.000	0.100	0.000	0.004
A2	0.900	1.000	0.035	0.039
D	2.000	2.200	0.079	0.087
E1	1.150	1.350	0.045	0.053
E	2.150	2.450	0.085	0.096
e	0.650Typ.		0.026Typ.	
e1	1.200	1.400	0.047	0.055
L	0.525Ref.		0.021Ref.	
L1	0.260	0.460	0.010	0.018
θ	0°	8°	0°	8°
Z	2.300		0.090	
G	1.850		0.073	
P	0.65Typ.		0.020Typ.	
X	0.200		0.008	
Y	0.850		0.033	

Land Pattern

SOT-353

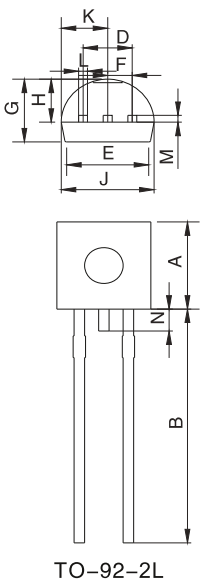
PACKAGE MECHANICAL DATA



Land Pattern

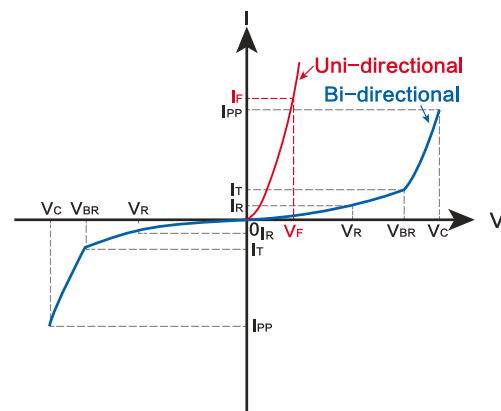
Symbol	Millimeter		Inches	
	Min.	Max.	Min.	Max.
A	0.90	1.10	0.035	0.043
A1	0.00	0.10	0.000	0.004
A2	0.90	1.00	0.035	0.039
b	0.150	0.350	0.006	0.014
c	0.08	0.15	0.003	0.006
D	2.00	2.20	0.079	0.087
E	1.15	1.35	0.045	0.053
E1	2.15	2.45	0.085	0.096
e	0.65Typ.		0.026 Typ.	
e1	1.20	1.40	0.047	0.055
L	0.525Ref.		0.021Ref.	
L1	0.26	0.46	0.010	0.018
θ	0°	8°	0°	8°

TO92-2L

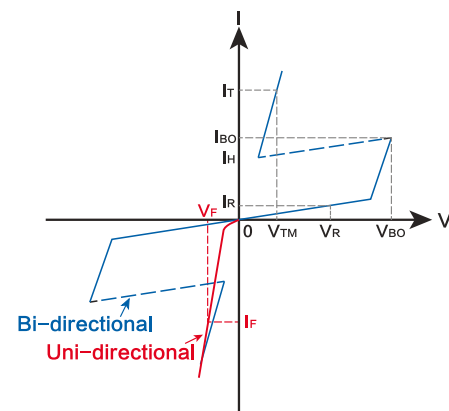


Ref.	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	4.32	5.33	0.170	0.210
B	12.70	15.00	0.500	0.591
D	2.41	2.67	0.095	0.105
E	—	4.3	—	0.169
F	1.16	1.37	0.046	0.054
G	3.18	4.19	0.125	0.165
H	2.04	2.66	0.080	0.105
J	4.45	5.20	0.175	0.205
K	2.04	2.66	0.080	0.105
L	0.41	0.53	0.016	0.021
M	0.36	0.50	0.014	0.020
N	—	1.52	—	0.060

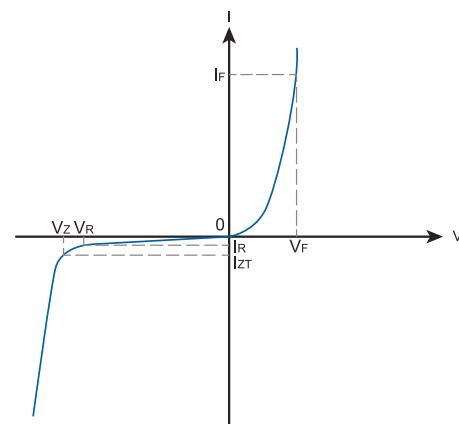
VI Characteristic Graph



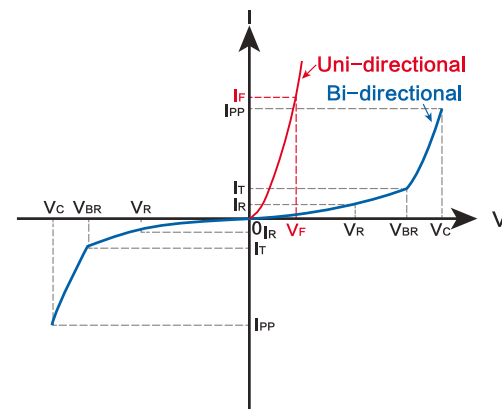
TVS



TSS



Zener



ESD

System Certificates



ISO14001



ISO45001



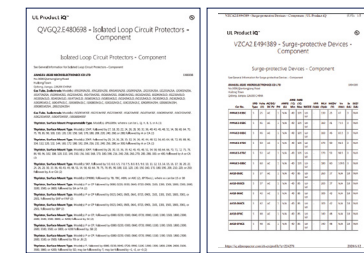
QCO80000



ISO9001



IATF16949



UL-TVS

Testing Specifications for Product Qualification

Industrial Grade

Test Item	Condition	Test Method	Duration	DUT Quantity
EV	/	JESD22-B101	/	All qualification parts submitted for testing
PC	MSL1 or MSL3	GB/T 4937.30-2018 JESD22-A-113"	/	Performed on surface mount parts (SMDs) prior to Tests 2,3,4 & 6 only.
HAST	130°C 85%RH/33.3psia/80%VR(max 42V)	JESD22-A-110	48H	22pcs*3 pre-condition
	110°C 85%RH/17.7psia/80%VR(max 42V)		132H	
H3TRB	85°C 85%RH/80%VR(max100V)	JESD22-A-101	500H	22pcs*3 pre-condition
UHAST	130°C 85%RH/33.3psia	JESD22-A-118	48H	22pcs*3 pre-condition
	110°C 85%RH/17.7psia		132H	
AC	121°C/100%RH/29.7psia	JESD22-A-102	48H	22pcs*3 pre-condition
TC	-55°C~150°C/Dwell=30min	JESD22-A-104 MIL-STD-750 1051	500 cycles	22pcs*3 pre-condition
HTRB	Ta=Tjmax(max 125°C)/80%VR	JESD22-A108 MIL-STD-750 1038 Condition A	500H	22pcs*3
SSOP	Tjmax/100%IZ	MIL-STD-750 1038 Condition B	500H	22pcs*3
RSH	260°C/10s	JESD22-A111 for SMD JESD22-B106 for PTH	/	22pcs pre-condition
SD	245°C/5s	J-STD-002	/	10pcs

Automotive Grade

Test Item	Condition	Test Method	Duration	DUT Quantity
EV	/	JESD22-B101	/	All qualification parts submitted for testing
PC	MSL1 or MSL3	GB/T 4937.30-2018 JESD22-A-113	/	Performed on surface mount parts (SMDs) prior to Tests 2,3,4,5 & 8 only.
HAST	130°C 85%RH/33.3psia/80%VR(max 42V)	JESD22-A-110	96H	77pcs*3 pre-condition
	110°C 85%RH/17.7psia/80%VR(max 42V)		264H	
H3TRB	85°C 85%RH/80%VR(max100V)	JESD22-A-101	1000H	77pcs*3 pre-condition
UHASt	130°C 85%RH/33.3psia	JESD22-A-118	96H	77pcs*3 pre-condition
	110°C 85%RH/17.7psia		264H	
AC	121°C/100%RH/29.7psia	JESD22-A-102	96H	77pcs*3 pre-condition
TC	-55°C~150°C/Dwell=30min	JESD22-A-104 MIL-STD-750 1051	1000 cycles	77pcs*3 pre-condition
IOL	Delta Tj≥100°C/2min ON/2min OFF	MIL-STD-750 1037	15000 cycles	77pcs*3 pre-condition
DPA	/	AEC-Q101-004	/	2pcs
HTRB	Tjmax/100%VR	JESD22-A108 MIL-STD-750 1038 Condition A	1000H	77pcs*3
SSOP	Tjmax/100%IZ	MIL-STD-750 1038 Condition B	1000H	77pcs*3
RSH	260°C/10s	JESD22-A111 for SMD JESD22-B106 for PTH	/	30pcs pre-condition
SD	245°C/5s	J-STD-002	/	10pcs
PD	Per device specification	JESD22-B100	/	30pcs
WBS	/	AEC-Q101-003 JESD22-B116	/	5pcs
WBP	/	MIL-STD-750 2037 for Au&Al wire AEC Q006 for Cu wire	/	5pcs
DS	/	MIL-STD-750 2017	/	5pcs
TR	/	JESD24-3/4/6	/	10pcs
ESDH	±10 times/1s interval	AEC-Q101-001	/	30pcs
ESDC	±10 times/1s interval	AEC-Q101-005	/	30pcs

Long Term Reliability Test Equipment

