

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

Chengdu

No. 2 Heshun Road, Chengdu High-tech Zone,
block 3 unit 2 #09-03, Chengdu

JJMICROELECTRONICS (International)

Singapore

1 One-north Crescent,
Level 7 Singapore 138538

India

Delhi, India

Germany

Stuttgart, Germany

Hungary

Budapest, Hungary

Diode Selection Guide

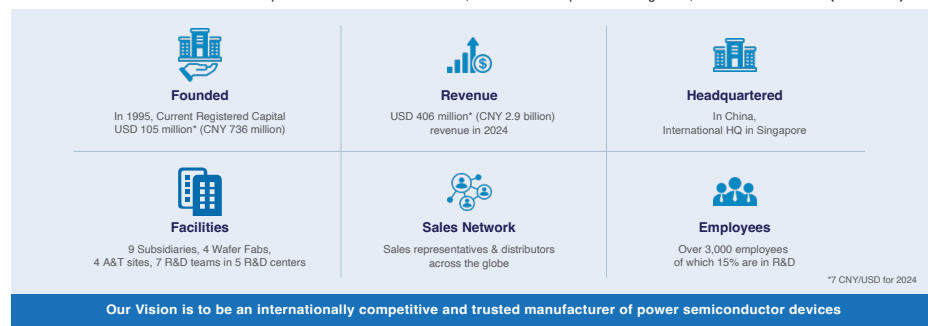


JJMICROELECTRONICS

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

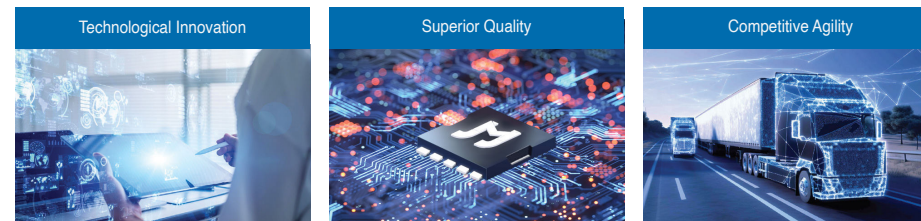
Key Facts

JJM was established in 1995 and became public listed in 2017. Since then, there has been phenomenal growth, with a **CAGR of 31% (2017-2024)**



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.



Global Network & Manufacturing Facilities



Solutions for Industry

JJM products are designed and developed to fulfill a **diverse array of application requirements across various industries.**

Our innovative technologies and commitment to excellence enable faster market entry and improved cost efficiency for our customers.



- Automotive**
 - Clean Energy
 - Electrification
 - Autonomous Driving
- Industrial**
 - Sustainable Energy
 - Industry 4.0
 - Automation
- Consumer**
 - Energy Efficiency
 - Digitalization
 - Connectivity IoT
- Communication**
 - Mobility
 - Cloud Computing
 - Artificial Intelligence

Our History



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Schottky

Schottky Barrier Diode

Schottky barrier diodes (SBD for short), also called Schottky diodes, are constructed using a metal-semiconductor junction rather than a p-n junction, which results in their characteristic low forward voltage (typically between 0.2 to 0.5 volts) and high-speed performance. These properties make Schottky diodes ideal for power rectification, radio frequency (RF) applications, and as clamping diodes in circuits.



FRD

Fast Recovery Diode

Fast Recovery Diodes are designed to have a short reverse recovery time. This quick switching ability reduces energy losses in high-speed switching applications such as power supplies, inverters, and motor drives.



TVS

Transient Voltage Suppressor

TVS (Transient Voltage Suppressor), also known as Transient suppression diodes, are designed to protect electronic circuits from transient voltage spikes, such as those caused by lightning strikes and power line surges. TVS diodes are commonly used in power supply protection, telecommunications, and data lines to safeguard sensitive components from damage.



ESD

Electro Static Discharge Diode

The ESD protection device is specially used for protecting sensitive electronic components from electrostatic discharge. These diodes are essential in protecting interfaces like USB, HDMI, and other data and communication ports.



Zener

Zener Diode

Zener Diodes are designed to allow current to flow in the reverse direction when the applied voltage reaches a specified breakdown voltage, known as the Zener voltage. Zener diodes are widely used in power supplies, reference voltage sources, and surge protection circuits, where they help maintain a constant output voltage despite variations in the input voltage or load conditions.



Schottky Barrier Diode

Schottky Barrier Diodes are semiconductor diodes with a low forward voltage drop and fast switching capabilities. They are constructed using a metal-semiconductor junction rather than a p-n junction, which results in their characteristic low forward voltage (typically between 0.2 to 0.4 volts) and high-speed performance. These properties make Schottky diodes ideal for power rectification, radio frequency (RF) applications, and as clamping diodes in circuits.

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								JSPD0230A 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								JSPD0240A JSPL0240AS JSPL0240AC JSPL0240AA	
	0.35	2	0.6	5	0.2	50	-				JSPD10340A					
	1	7	0.61	40	1	-	-				JSPD10340A				JSTD5140A	
		9	0.6	1000	1	-	120				JSPD1140A			JSPD140A		
		30	0.55	500	1	110	-	JSPX140A				JSPI140A				
	2	50	0.55	100	2	150	-	JSPX240A				JSPI240A				
	3	80	0.55	100	3	210	-	JSPX340A	JSPG340A			JSPI340A				
5	120	0.55	100	5	350	-	JSPX540A	JSPG540A								
		120	0.55	100	5	400	-			JSPJ540A						
45	10	100	0.65	100	5	500	-									
	30	200	0.65	100	15	800	-									JSPD0545A
	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	-									JSTE3060ACT

VRRM (V)	IF(AV) (A)	IFSM (A)	VF_Max (V)	IR_Max (μA)	IF (A)	CJ_Typ (pF)	CJ_Max (pF)	Package								
								ITO-220AB 	SMA 	SMB 	SMC 	SOD-123FL 	TO-220AB 	TO-247 	TO-252 	TO-263 
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			
		100	0.9	1000	5	110	-								JSPK10150ACT	
	20	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 is a type of semiconductor diode specifically designed to switch off rapidly, reducing the time taken to recover from the conducting state to the non-conducting state. This quick switching ability reduces energy losses in high-speed switching applications. They are widely used in switch mode power supplies (SMPS), inverters, and motor drives.

Fast recovery epitaxial diode:

A Fast Recovery Epitaxial Diode (FRED) is a specific type of fast recovery diode that includes an epitaxial layer in its construction. The epitaxial layer significantly improves the diode's switching performance and reduces recovery time. They are commonly found in high-frequency power supplies and converters, as well as inverters and motor drives.

Fast Recovery Diode

Trr_Max *1(ns)	@ VRRM (V)	IF(AV) (A)	VF_Max (V) @ TA=25°C	Package			
				SMA	SMB	SMC	SOD-123FL
25	200	1	0.87	JPCR0102SA	JPCR0102SB		
	200	1	0.92	EES1D			
	200	1	0.87				JPCR0102FL
	200	2	1.1	JPCR0202SA	JPCR0202SB		
	400	3	1.25		JECR0304SB		
35	50~200	1	0.95	ES1D	ES1DB		ES1002FL
	400	1	1.3	ES1G	ES1GB		ES1004FL
	600	1	1.7	ES1J	ES1JB		ES1006FL
	1000	1	2.4	ES1M	ES1MB		
	50 - 200	2	0.95	ES2DA	ES2D		
	400	2	1.3	ES2GA	ES2G		
	600	2	1.7	ES2JA	ES2J		
	50 - 200	3	0.95		ES3DB	ES3D	
	400	3	1.3		ES3GB	ES3G	
	600	3	1.7		ES3JB	ES3J	
	50 - 200	5	0.95		ES5DB	ES5D	
	400	5	1.3		ES5GB	ES5G	
	600	5	1.7		ES5JB	ES5J	
	50~200	1	1	US1D			US1002FL
	400	1	1.3	US1G			US1004FL
50	50~200	2	1		US2D		
	400	2	1.3		US2G		
	50~200	3	1		US3DB	US3D	
	400	3	1.3		US3GB	US3G	
	50~200	5	1			US5D	
	400	5	1.3			US5G	
	400	1	1.25	MUR140S	MUR140SB		
	600	1	1.25	MUR160S	MUR160SB		
	400	2	1.25		MUR240SB		
	600	2	1.25		MUR260SB		
	400	3	1.25		MUR340SB	MUR340S	
	600	3	1.25		MUR360SB	MUR360S	
	400	4	1.25			MUR440S	
	600	4	1.25			MUR460S	
	400	5	1.25			MUR540S	
	600	5	1.25			MUR560S	

Trr_Max *1(ns)	@ VRRM (V)	IF(AV) (A)	VF_Max (V) @ TA=25°C	Package			
				SMA	SMB	SMC	SOD-123FL
75	600~1000	1	1.7	US1M			US1010FL
	1200	1	1.9	US1N75			
	600~1000	2	1.7	US2MA	US2MB		
	600~1000	2	1.7		USBMB		
	350	2	1	MUR235SA			
	600~1000	3	1.7			US3M	
	600~1000	5	1.7			US5M	
>100	50~400	1	1.3	RS1G			RS1004FL
	600	1	1.3	RS1J			RS1006FL
	800~1000	1	1.3	RS1M			RS1010FL
	50~400	2	1.3	RS2GA	RS2G		
	600	2	1.3	RS2JA	RS2J		
	800~1000	2	1.3	RS2MA	RS2M		
	1200	1	1.5	US1N			
	50~1000	3	1.3		RS3MB	RS3M	
	50~1001	5	1.3		RS5MB	RS5M	

Trr_Max *1(ns)	@ VRRM (V)	IF(AV) (A)	VF_Max (V) @ TA=25°C	Package								
				TO-220A	TO-220A-2L	TO-220C	TO-220C-2L	TO-220FP	TO-220FP-2L	TO-247J	TO-252	TO-263
20	600	8	3.6									
20	600	8	3.6		JECR0806AL-D							
25	200	10*2	1.1					JPCR2002FPCT		JPCR2002SCT		JPCR2002ECT
	200	15*2	1.1							JECR3002SCT		
	200	5*2	1.1			JPCR1002CCT					JPCR1002KCT	JPCR1002ECT
	200	8*2	1.1	JPCR1602AAT		JPCR1602CCT						
	300	5*2	1.25			JPCR1003CCT						
	600	5	3.3				JECR0506CL		JECR0506FPL		JECR0506K	
	600	8	3.4		JECR0806AL		JECR0806CL		JECR0806FPL		JECR0806KW	JECR0806E
	600	8	2.5				JPCR0806CL		JPCR0806FPL			
	600	10	3.2		JECR1006AL		JECR1006CL		JECR1006FPL			
	600	8*2	2.5			JPCR1606CCT						
	1200	5	2.2								JPUR0512K	
	1200	8	2.2								JPFR0812K	JPFR0812E

Fast Recovery

Fast Recovery

Trr. Max *1(ns)	@ VRRM (V)	IF(AV) (A)	VF. Max (V) @ TA=25°C	Package							
				TO-220A-2L	TO-220C	TO-220C-2L	TO-220FP	TO-220FP-2L	TO-247J	TO-247J-2L	TO-252

30	400	5*2	1.3		JUPR1004CCT									
	600	15	3.2	JECR1506AL		JECR1506CL		JECR1506FPL				JECR1506E		
	600	20	2.5					JECR2006FPL						
	600	20	2.9	JECR2006AL		JECR2006CL								
	600	15*2	3.2						JECR3006SCT					

35	200	30*2	1.1						JPER6002SCT				JPER6002NCT	
	400	5	1.25								JEER0504K			
	400	5	1.3					JEER0504FPL						
	400	8	1.3			JEER0804CL		JEER0804FPL			JEER0804K	JEER0804E		
	400	10	1.3			JEER1004CL		JEER1004FPL			JEER1004K			
	400	16	1.3			JEER1604CL		JEER1604FPL						
	400	20	1.3			JEER2004CL		JEER2004FPL						
	400	30	1.4							JEER3004SL				
	400	10*2	1.3		JEER2004CCT		JEER2004FPCT					JEER2004ECT		
	400	15*2	1.3						JEER3004SCT				JEER3004ZCT	
	400	20*2	1.45						JEER4004SCT					
	400	5*2	1.3		JEER1004CCT		JEER1004FPCT				JEER1004KCT	JEER1004ECT		
	400	8*2	1.3		JEER1604CCT		JEER1604FPCT					JEER1604ECT		
	600	5	1.7					JEER0506FPL			JEER0506K			
	600	8	1.7			JEER0806CL		JEER0806FPL				JEER0806E		
	600	8	1.6					JPUR0806FPL						
	600	10	1.7			JEER1006CL		JEER1006FPL			JEER1006K			
	600	10	1.8											JEER1006V
	600	15	2.5			JPCR1506CL								
	600	15	1.7			JEER1506CL		JEER1506FPL			JEER1506K	JEER1506E		
	600	20	1.7					JEER2006FPL						
	600	30	2	JEER3006AL		JEER3006CL		JEER3006FPL		JEER3006SL		JEER3006E		
	600	30	2.75	JECR3006AL		JECR3006CL		JECR3006FPL	JECR3006SW			JECR3006E		
	600	30	2.75						JECR3006SCT					
	600	10*2	1.7		JEER2006CCT		JEER2006FPCT		JEER2006SCT			JEER2006ECT		
	600	15*2	1.35						JPCR3006SCT					
	600	15*2	1.7						JEER3006SCT				JEER3006ZCT	
	600	20*2	1.7						JEER4006SCT				JEER4006ZCT	
	600	30*2	2						JEER6006SCT				JEER6006ZCT	
	600	5*2	1.7		JEER1006CCT		JEER1006FPCT				JEER1006KCT	JEER1006ECT		
	600	8*2	1.7		JEER1606CCT		JEER1606FPCT							
	600	30	2.7							JEER3006SL				

Trr_Max *1(ns)	⊗ VRRM (V)	IF(AV) (A)	VF_Max (V) ⊗ TA=25°C	Package										
				TO-220C 	TO-220C-2L 	TO-220FP 	TO-220FP-2L 	TO-247J 	TO-247J-2L 	TO-252 	TO-263 	TO-3P 	TO-3PN 	TO-277B 
40	200	80	1.1									JPUR8002NCT		
	300	30	1.3		JPUR3003CL									
	600	15	1.6		JPUR1506CL		JPUR1506FPL							
	600	30	2.5		JPCR3006CL		JPCR3006FPL	JPCR3006SL						
	1200	8	3.3		JPCR0812CL		JPCR0812FPL							
	300	30*2	1.3				JPUR6003SCT							
	600	15*2	1.6				JPUR3006SCT							
45	600	60	2.4					JECR6006SL			JECR6006ZW			
	600	75	2.75					JECR7506SL			JECR7506SW			
50	600	5	1.35				JEUR0506FPL		JEUR0506K					
	600	5	1.5										JEUR0506V	
	600	8	1.5		JEUR0806CL		JEUR0806FPL			JEUR0806E				
	600	10	1.5		JEUR1006CL		JEUR1006FPL		JEUR1006K	JEUR1006E				
	600	15	1.5		JEUR1506CL		JEUR1506FPL			JEUR1506E				
	600	20	1.5		JEUR2006CL		JEUR2006FPL			JEUR2006E				
	600	30	1.25				JEUR3003FPL							
	600	10*2	1.5	JEUR2006CCT		JEUR2006FPCT				JEUR2006ECT	JEUR2006ZCT			
	600	5*2	1.35							JEUR1006ECT				
	600	8*2	1.5	JEUR1606CCT		JEUR1606FPCT				JEUR1606ECT				
	1200	8	2.4		JPUR0812CL		JPUR0812FPL							
	1200	15	3.3		JPCR1512CL		JPCR1512FPL							
	600	30	1.6		JPUR3006CL									
	1200	8	2.2											
	1200	15	2.4											
60	400	80	1.3					JEUR8004SCT						
	600	30	1.6				JPUR3006FPL		JPUR3006SL					
	600	30*2	1.6					JPUR6006SCT			JPUR6006ZCT			
	1200	8	2.2				JPFR0812FPL							
	1200	15	2.4				JPUR1512FPL							
	1200	30	3.3						JPCR3012SL					

Fast Recovery

Fast Recovery

Trr_Max *1(ns)	Ⓢ VRRM (V)	IF(AV) (A)	VF_Max (V) Ⓢ TA=25°C	Package								
				TO-220C 	TO-220C-2L 	TO-220FP 	TO-220FP-2L 	TO-247J 	TO-247J-2L 	TO-263 	TO-3P 	TO-3PN 
65	600	30	1.55		JEUR3006CL		JEUR3006FPL	JEUR3006SW	JEUR3006SL	JEUR3006E		
	600	40	1.6						JEUR4006SL			
	600	40	1.6						JPUR4006SL			
	600	60	2.5						JPCR6006SL			
	600	30*2	1.55					JEUR6006SCT				
75	200	100	1.1						JPUR10002SL			
	350	2	1									
	400	60	1.45					JEUR6004SW	JEUR6004SL			
	600	40	1.3						JEFR4006SL			
	600	60	2						JEUR6006SL			
	600	75	2.1					JEUR7506S	JEUR7506SL			
	600	75	2.5						JPCR7506SL			
	600	40*2	1.3					JEFR8006SCT				
	650	60	2					JEUR6006SW				
	800	8	1.7		JEFR0808CL		JEFR0808FPL					
	800	10	1.7		JEFR1008CL		JEFR1008FPL					
	800	8*2	1.7	JEFR1608CCT		JEFR1608FPCT						
1200	30	2.4						JPUR3012SL				
>75ns	400	60	1.35						JPUR6004SL			
	600	60	1.8						JPUR6006SL			
	600	75	1.8						JPUR7506SL			
	600	30	1.8							JEUR3006ZW	JEUR3006YW	
	1200	60	3.3						JPCR6012SL			
	1200	60	2.4						JPUR6012SL			

Fast Recovery

Fast Recovery

M Transient Voltage Suppressor (TVS)

TVS Diodes are designed to protect electronic circuits from transient voltage spikes, such as those caused by lightning strikes, power line surges, or electrostatic discharge (ESD). When a transient voltage exceeds the breakdown voltage of the TVS diode, it rapidly clamps the voltage to a safe level by shunting the excess energy to ground. TVS diodes are commonly used in power supply protection, telecommunications, and data lines to safeguard sensitive components from damage.

Bidirectional or unidirectional voltage clamping devices with fast response time.

Transient power varies from 200W-20000W.

Clamping 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
8/20μs	15	10	16	19	10	28	10000	AK10-015C
	15	10	16	19	10	28	3000	AK3-015C
	15	10	16	19	10	28	6000	AK6-015C
	20	10	22	24	10	50	10000	AK10-020C
	20	10	22	24	10	50	3000	AK3-020C
	20	10	22	24	10	50	6000	AK6-020C
	25	10	28	30	10	60	10000	AK10-025C
	25	10	28	30	10	60	3000	AK3-025C
	25	10	28	30	10	60	6000	AK6-025C
	30	10	32	37	10	80	3000	AK3-030C
	30	10	32	37	10	90	10000	AK10-030C
	30	10	32	37	10	90	15000	AK15-030C
	30	10	32	37	10	90	6000	AK6-030C
	42	10	47	51	10	105	10000	AK10-042C
	42	10	47	51	10	105	15000	AK15-042C
	42	10	47	51	10	105	3000	AK3-042C
	42	10	47	51	10	105	6000	AK6-042C
	58	10	64	70	10	110	10000	AK10-058C
	58	10	64	70	10	110	15000	AK15-058C
	58	10	64	70	10	110	3000	AK3-058C
	58	10	64	70	10	110	6000	AK6-058C
	66	10	72	80	10	120	10000	AK10-066C
	66	10	72	80	10	120	15000	AK15-066C
	66	10	72	80	10	120	3000	AK3-066C
	66	10	72	80	10	120	6000	AK6-066C
	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
8/20μs	76	10	85	95	10	140	10000	AK10-076C
	76	10	85	95	10	140	15000	AK15-076C
	76	10	85	95	10	140	3000	AK3-076C
	76	10	85	95	10	140	6000	AK6-076C
	100	10	110	122	10	165	10000	AK10-100C
	100	10	110	122	10	165	3000	AK3-100C
	100	10	110	122	10	165	6000	AK6-100C
	133	10	147	162	10	220	10000	AK10-133C
	133	10	147	162	10	220	3000	AK3-133C
	133	10	147	162	10	220	6000	AK6-133C
	150	10	158	194	10	230	3000	AK3-150C
	170	10	179	220	10	260	3000	AK3-170C
	170	10	180	220	10	260	10000	AK10-170C
	170	10	180	220	10	260	6000	AK6-170C
	190	10	200	245	10	290	10000	AK10-190C
	190	10	200	245	10	290	3000	AK3-190C
	190	10	200	245	10	290	6000	AK6-190C
	200	10	222	262	10	330	10000	AK10-200C
	208	10	223	246	10	305	3000	AK3-208C
	240	10	250	285	10	340	10000	AK10-240C
	240	10	250	285	10	340	3000	AK3-240C
	240	10	250	285	10	340	6000	AK6-240C
	275	10	300	335	10	435	10000	AK10-275C
	275	10	300	335	10	435	3000	AK3-275C
	275	10	300	335	10	435	6000	AK6-275C
	300	10	330	366	10	470	10000	AK10-300C
	300	10	330	366	10	470	3000	AK3-300C
	300	10	330	366	10	470	6000	AK6-300C
	380	10	401	443	10	520	1000	AK1-380C
	380	10	401	443	10	520	10000	AK10-380C
	380	10	401	443	10	520	3000	AK3-380C
	380	10	401	443	10	520	6000	AK6-380C
	430	10	440	490	10	625	1000	AK1-430C
	430	10	440	490	10	625	10000	AK10-430C
	430	10	440	490	10	625	3000	AK3-430C
	430	10	440	490	1	625	6000	AK6-430C

Transient Voltage Suppressor (TVS)

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	P6KE6.8CA
	6.4	120	7.13	7.88	10	11.3	54	P6KE7.5A	P6KE7.5CA
	7.02	50	7.79	8.61	10	12.1	50.4	P6KE8.2A	P6KE8.2CA
	7.78	20	8.65	9.55	1	13.4	45.5	P6KE9.1A	P6KE9.1CA
	8.55	10	9.5	10.5	1	14.5	42.1	P6KE10A	P6KE10CA
	9.4	5	10.5	11.6	1	15.6	39.1	P6KE11A	P6KE11CA
	10.2	2	11.4	12.6	1	16.7	36.5	P6KE12A	P6KE12CA
	11.1	1	12.4	13.7	1	18.2	33.5	P6KE13A	P6KE13CA
	12.8	1	14.3	15.8	1	21.2	28.8	P6KE15A	P6KE15CA
	13.6	1	15.2	16.8	1	22.5	27.1	P6KE16A	P6KE16CA
	15.3	1	17.1	18.9	1	25.2	24.2	P6KE18A	P6KE18CA
	17.1	1	19	21	1	27.7	22	P6KE20A	P6KE20CA
	18.8	1	20.9	23.1	1	30.6	19.9	P6KE22A	P6KE22CA
	20.5	1	22.8	25.2	1	33.2	18.4	P6KE24A	P6KE24CA
	23.1	1	25.7	28.4	1	37.5	16.3	P6KE27A	P6KE27CA
	25.6	1	28.5	31.5	1	41.4	14.7	P6KE30A	P6KE30CA
	28.2	1	31.4	34.7	1	45.7	13.3	P6KE33A	P6KE33CA
	30.8	1	34.2	37.8	1	49.9	12.2	P6KE36A	P6KE36CA
	33.3	1	37.1	41	1	53.9	11.3	P6KE39A	P6KE39CA
	36.8	1	40.9	45.2	1	59.3	10.3	P6KE43A	P6KE43CA
	40.2	1	44.7	49.4	1	64.8	9.4	P6KE47A	P6KE47CA
	43.6	1	48.5	53.6	1	70.1	8.7	P6KE51A	P6KE51CA
	47.8	1	53.2	58.8	1	77	7.9	P6KE56A	P6KE56CA
	53	1	58.9	65.1	1	85	7.9	P6KE62A	P6KE62CA
	58.1	1	64.6	71.4	1	92	6.6	P6KE68A	P6KE68CA
	64.1	1	71.3	78.8	1	103	5.9	P6KE75A	P6KE75CA
	70.1	1	77.9	86.1	1	113	5.4	P6KE82A	P6KE82CA
	77.8	1	86.5	95.5	1	125	4.9	P6KE91A	P6KE91CA
	85.5	1	95	105	1	137	4.5	P6KE100A	P6KE100CA
	94	1	105	116	1	152	4	P6KE110A	P6KE110CA
	102	1	114	126	1	165	3.7	P6KE120A	P6KE120CA
	111	1	124	137	1	179	3.4	P6KE130A	P6KE130CA
	128	1	143	158	1	207	2.9	P6KE150A	P6KE150CA
	136	1	152	168	1	219	2.8	P6KE160A	P6KE160CA
	145	1	162	179	1	234	2.6	P6KE170A	P6KE170CA
	154	1	171	189	1	246	2.5	P6KE180A	P6KE180CA
	171	1	190	210	1	274	2.2	P6KE200A	P6KE200CA
	185	1	209	231	1	328	1.9	P6KE220A	P6KE220CA
	214	1	237	263	1	344	1.8	P6KE250A	P6KE250CA
	256	1	285	315	1	414	1.5	P6KE300A	P6KE300CA

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	P6KE350CA
	342	1	380	420	1	548	1.1	P6KE400A	P6KE400CA
	376	1	418	462	1	602	1	P6KE440A	P6KE440CA
	408	1	456	504	1	658	0.9	P6KE480A	P6KE480CA
	434	1	485	535	1	698	0.9	P6KE510A	P6KE510CA
	445	1	494	546	1	710	0.85	P6KE520A	P6KE520CA
	460	1	513	567	1	740	0.8	P6KE540A	P6KE540CA
	468	1	522.5	577.5	1	760	0.8	P6KE550A	P6KE550CA
	512	1	570	630	1	828	0.75	P6KE600A	P6KE600CA

M Transient Voltage Suppressor (TVS)

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]



M Transient Voltage Suppressor (TVS)

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]



TVS

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

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	

TVS

Transient Voltage Suppressor (TVS)

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]



Transient Voltage Suppressor (TVS)

Parameter	Range	Unit
P_{PP}	5000 - 30000	[W]
I_{PP}	12 - 606	[A]
V_R	7 - 400	[V]
V_{BR_Min}	7.78 - 447	[V]
I_T	5 - 50	[mA]



TVS

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	
	22	5	24.4	26.9	5	35.5	130	SM6S22A-AL	
	24	5	26.7	29.5	5	38.9	118	SM6S24A-AL	
	26	5	28.9	31.9	5	42.1	109	SM6S26A-AL	
	28	5	31.1	34.4	5	45.4	101	SM6S28A-AL	
	30	5	33.3	36.8	5	48.4	95	SM6S30A-AL	
	33	5	36.7	40.6	5	53.3	86	SM6S33A-AL	
	36	5	40	44.2	5	58.1	79	SM6S36A-AL	
6600	15	5	16.7	18.5	5	24.4	270	SM8S15A-AL	
	16	5	17.8	19.7	5	26	253	SM8S16A-AL	
	18	5	20	22.1	5	29.2	226	SM8S18A-AL	
	20	5	22.2	24.5	5	32.4	204	SM8S20A-AL	
	22	5	24.4	26.9	5	35.5	186	SM8S22A-AL	SM8S22CA-AL
	24	5	26.7	29.5	5	38.9	170	SM8S24A-AL	SM8S24CA-AL
	26	5	28.9	31.9	5	42.1	157	SM8S26A-AL	SM8S26CA-AL
	28	5	31.1	34.4	5	45.4	145	SM8S28A-AL	SM8S28CA-AL
	30	5	33.3	36.8	5	48.4	136	SM8S30A-AL	
	32	5	35.5	39.4	5	51.4	128.5	SM8S32A-AL	
	33	5	36.7	40.6	5	53.3	124	SM8S33A-AL	SM8S33CA-AL
	36	5	40	44.2	5	58.1	114	SM8S36A-AL	SM8S36CA-AL
	40	5	44.4	49.1	5	64.5	102	SM8S40A-AL	SM8S40A-AL
	43	5	47.8	52.8	5	69.4	95.1	SM8S43A-AL	SM8S43A-AL
	24	5	26.7	29.5	5	28.06	200	SM8S24CAP-AL	SM8S24CAP-AL
	20	5	22.2	24.5	5	32.4	247	SM8T20A-AL	SM8T24CA-AL
8000	22	5	24.4	26.9	5	35.5	225	SM8T22A-AL	SM8T26CA-AL
	24	5	26.7	29.5	5	38.9	205	SM8T24A-AL	SM8T28CA-AL
	26	5	28.9	31.9	5	42.1	190	SM8T26A-AL	SM8T30CA-AL
	28	5	31.1	34.4	5	45.4	176	SM8T28A-AL	SM8T32CA-AL
	30	5	33.3	36.8	5	48.4	165	SM8T30A-AL	SM8T33CA-AL
	32	5	35.5	39.4	5	51.4	156	SM8T32A-AL	SM8T36CA-AL
	33	5	36.7	40.6	5	53.3	150	SM8T33A-AL	SM8T33CA-AL
	36	5	40	44.2	5	58.1	138	SM8T36A-AL	SM8T36CA-AL
	40	5	44.4	49.1	5	64.5	124	SM8T40A-AL	
	43	5	47.8	52.8	5	69.4	115	SM8T43A-AL	
	24	5	26.7	29.5	5	27.96	300	SM8T24CAP-AL	SM8T24CAP-AL
	36	10	36.69	44.2	5	55	272.7	15KP36A-DB	15KP36CA-DB
15000	51	10	52.04	62.7	5	76.3	182.1	15KP51A-DB	15KP51CA-DB

TVS

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	7	1000	7.78	8.6	50	12	417	5KP7.0A	5KP7.0CA
	7.5	250	8.33	9.21	5	12.9	388	5KP7.5A	5KP7.5CA
	8	150	8.89	9.83	5	13.6	367	5KP8.0A	5KP8.0CA
	8.5	50	9.44	10.4	5	14.4	347	5KP8.5A	5KP8.5CA
	9	20	10	11.1	5	15.4	325	5KP9.0A	5KP9.0CA
	10	15	11.1	12.3	5	17	294	5KP10A	5KP10CA
	11	5	12.2	13.5	5	18.2	275	5KP11A	5KP11CA
	12	2	13.3	14.7	5	19.9	252	5KP12A	5KP12CA
	13	2	14.4	15.9	5	21.5	233	5KP13A	5KP13CA
	14	1	15.6	17.2	5	23.2	216	5KP14A	5KP14CA
	15	1	16.7	18.5	5	24.4	205	5KP15A	5KP15CA
	16	1	17.8	19.7	5	26	193	5KP16A	5KP16CA
	17	1	18.9	20.9	5	27.6	181	5KP17A	5KP17CA
	18	1	20	22.1	5	29.2	172	5KP18A	5KP18CA
	20	1	22.2	24.5	5	32.4	155	5KP20A	5KP20CA
	22	1	24.4	26.9	5	35.5	141	5KP22A	5KP22CA
	24	1	26.7	29.5	5	38.9	129	5KP24A	5KP24CA
	26	1	28.9	31.9	5	42.1	119	5KP26A	5KP26CA
	28	1	31.1	34.4	5	45.4	110	5KP28A	5KP28CA
	30	1	33.3	36.8	5	48.4	103	5KP30A	5KP30CA
	33	1	36.7	40.6	5	53.3	93.9	5KP33A	5KP33CA
	36	1	40	44.2	5	58.1	86.1	5KP36A	5KP36CA
	40	1	44.4	49.1	5	64.5	77.6	5KP40A	5KP40CA
	43	1	47.8	52.8	5	69.4	72.1	5KP43A	5KP43CA
	45	1	50	55.3	5	72.7	68.8	5KP45A	5KP45CA
	48	1	53.3	58.9	5	77.4	64.7	5KP48A	5KP48CA
	51	1	56.7	62.7	5	82.4	60.7	5KP51A	5KP51CA
	54	1	60	66.3	5	87.1	57.5	5KP54A	5KP54CA
	58	1	64.4	71.2	5	93.6	53.5	5KP58A	5KP58CA
	60	1	66.7	73.7	5	96.8	51.7	5KP60A	5KP60CA
	64	1	71.1	78.6	5	103	48.6	5KP64A	5KP64CA
	70	1	77.8	86	5	113	44.3	5KP70A	5KP70CA
	75	1	83.3	92.1	5	121	41.4	5KP75A	5KP75CA
	78	1	86.7	95.8	5	126	39.7	5KP78A	5KP78CA
	85	1	94.4	104	5	137	36.5	5KP85A	5KP85CA
	90	1	100	111	5	146	34.3	5KP90A	5KP90CA
	100	1	111	123	5	162	30.9	5KP100A	5KP100CA
	110	1	122	135	5	177	28.3	5KP110A	5KP110CA
	120	1	133	147	5	193	26	5KP120A	5KP120CA
	130	1	144	159	5	209	24	5KP130A	5KP130CA

PPP (W)	VR (V)	IR_Max (μ A)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
5000	150	1	167	185	5	243	20.6	5KP150A	5KP150CA		
	160	1	178	197	5	259	19.3	5KP160A	5KP160CA		
	170	1	189	209	5	275	18.2	5KP170A	5KP170CA		
	180	1	201	222	5	292	17.5	5KP180A	5KP180CA		
	190	1	211	233	5	310	16.5	5KP190A	5KP190CA		
	200	1	224	247	5	329.2	15.5	5KP200A	5KP200CA		
	210	1	237	263	5	349.5	14.6	5KP210A	5KP210CA		
	220	1	246	272	5	371.1	13.7	5KP220A	5KP220CA		
6000	250	1	277	306	5	425	12	5KP250A	5KP250CA		
	20	5	22.2	24.5	5	32.4	185.2	JRB20A	JRB20CA		
	22	5	24.4	26.9	5	35.5	169	JRB22A	JRB22CA		
	24	5	26.7	29.5	5	38.9	154.2	JRB24A	JRB24CA		
	26	5	28.9	31.9	5	42.1	142.5	JRB26A	JRB26CA		
	28	5	31.1	34.4	5	45.4	132.2	JRB28A	JRB28CA		
	30	5	33.3	36.8	5	48.4	124	JRB30A	JRB30CA		
	33	5	36.7	40.6	5	53.3	112.6	JRB33A	JRB33CA		
6600	36	5	40	44.2	5	58.1	103.3	JRB36A	JRB36CA		
	40	5	44.4	49.1	5	64.5	93	JRB40A	JRB40CA		
	43	5	47.8	52.8	5	69.4	86.5	JRB43A	JRB43CA		
	15	5	16.7	18.5	5	24.4	270.5			JRB-T15A	JRB-T15CA
	16	5	17.8	19.7	5	26	253.8			JRB-T16A	JRB-T16CA
	18	5	20	22.1	5	29.2	226			JRB-T18A	JRB-T18CA
	20	5	22.2	24.5	5	32.4	203.7			JRB-T20A	JRB-T20CA
	22	5	24.4	26.9	5	35.5	186			JRB-T22A	JRB-T22CA
8000	24	5	26.7	29.5	5	38.9	169.7			JRB-T24A	JRB-T24CA
	26	5	28.9	31.9	5	42.1	156.8			JRB-T26A	JRB-T26CA
	28	5	31.1	34.4	5	45.4	145.4			JRB-T28A	JRB-T28CA
	30	5	33.3	36.8	5	48.4	136.4			JRB-T30A	JRB-T30CA
	33	5	36.7	40.6	5	53.3	123.8			JRB-T33A	JRB-T33CA
	36	5	40	44.2	5	58.1	113.6			JRB-T36A	JRB-T36CA
	40	5	44.4	49.1	5	64.5	102.3			JRB-T36A	JRB-T36CA
	43	5	47.3	52.8	5	69.4	95.1			JRB-T36A	JRB-T36CA
12000	20	5	22.2	24.5	5	32.4	246.9	P8S20A	P8S20CA		
	22	5	24.4	26.9	5	35.5	225.3	P8S22A	P8S22CA		
	24	5	26.7	29.5	5	38.9	205.6	P8S24A	P8S24CA		
	26	5	28.9	31.9	5	42.1	190.1	P8S26A	P8S26CA		
	28	5	31.1	34.4	5	45.4	176.2	P8S28A	P8S28CA		
	30	5	33.3	36.8	5	48.4	165.3	P8S30A	P8S30CA		
	33	5	36.7	40.6	5	53.3	150.1	P8S33A	P8S33CA		
	36	5	40	44.2	5	58.1	137.7	P8S36A	P8S36CA		
12000	40	5	44.4	49.1	5	64.5	124.1	P8S40A	P8S40CA		
	43	5	47.8	52.8	5	69.4	115.3	P8S43A	P8S43CA		
	24	10	26.7	29.5	5	60	5000V	JRC-S24A			
	20	15	22.2	24.5	5	34.3	349.9	JRC20A	JRC20CA	JRC-T20A	JRC-T20CA
	22	10	24.4	26.9	5	37.1	323.5	JRC22A	JRC22CA	JRC-T22A	JRC-T22CA
	24	5	26.7	29.5	5	40.7	5000V	JRC24A	JRC24CA	JRC-T24A	JRC-T24CA
	26	5	28.9	31.9	5	44	272.8	JRC26A	JRC26CA	JRC-T26A	JRC-T26CA
	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
	33	5	36.7	40.6	5	54.7	219.4	JRC33A	JRC33CA	JRC-T33A	JRC-T33CA
	36	5	40	44.2	5	59.8	200.7	JRC36A	JRC36CA	JRC-T36A	JRC-T36CA
	40	5	44.4	49.1	5	65.8	182.4	JRC40A	JRC40CA	JRC-T40A	JRC-T40CA
	43	5	47.8	52.8	5	69.8	171.9	JRC43A	JRC43CA	JRC-T43A	JRC-T43CA
	48	5	53.6	58.7	5	77.7	154.5			JRC-T48A	JRC-T48CA
	58	5	64.4	71.2	5	93.6	128.2			JRC-T58A	JRC-T58CA
	64	5	71.1	78.6	5	103	116.5			JRC-T64A	JRC-T64CA
12000	72	5	80	88.5	5	116	103.4			JRC-T72A	JRC-T72CA

PPP (W)	VR (V)	IR_Max (μ A)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial	
								Uni-Directional	Bi-Directional
15000	17	5000	18.9	20.9	50	29.3	515.4	15KP17A	15KP17CA
	18	5000	20	22.1	50	30.9	488.7	15KP18A	15KP18CA
	20	1500	22.2	24.5	20	34.3	440.2	15KP20A	15KP20CA
	22	500	24.4	26.9	10	37.1	407	15KP22A	15KP22CA
	24	150	26.7	29.5	5	40.7	371	15KP24A	15KP24CA
	26	50	28.9	31.9	5	44	343.2	15KP26A	15KP26CA
	28	25	31.1	34.4	5	47.5	317.9	15KP28A	15KP28CA
	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
	36	2	40	44.2	5	59.8	252.5	15KP36A	15KP36CA
	40	2	44.4	49.1	5	65.8	229.5	15KP40A	15KP40CA
	43	2	47.8	52.8	5	69.8	216.3	15KP43A	15KP43CA
	45	2	50	55.3	5	72.8	207.4	15KP45A	15KP45CA
	48	2	53.3	58.9	5	77.7	194.3	15KP48A	15KP48CA
	51	2	56.7	62.7	5	82.9	182.1	15KP51A	15KP51CA
	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
	60	2	66.7	73.7	5	97.4	155	15KP60A	15KP60CA
	64	2	71.1	78.6	5	104.2	144.9	15KP64A	15KP64CA
	70	2	77.8	86	5	113.6	132.9	15KP70A	15KP70CA
	75	2	83.3	92.1	5	122	123.8	15KP75A	15KP75CA
	78	2	86.7	95.8	5	126.1	119.7	15KP78A	15KP78CA
	85	2	94.4	104	5	137.6	109.7	15KP85A	15KP85CA
	90	2	100	111	5	145.6	103.7	15KP90A	15KP90CA
15000	100	2	111	123	5	161.3	93.6	15KP100A	15KP100CA
	110	2	122	135	5	178.6	84.5	15KP110A	15KP110CA
	120	2	133	147	5	192.3	78.5	15KP120A	15KP120CA
	130	2	144	159	5	208.3	72.5	15KP130A	15KP130CA
	150	2	167	185	5	241.9	62.4	15KP150A	15KP150CA
	160	2	178	197	5	258.6	58.4	15KP160A	15KP160CA
	170	2	189	209	5	272.7	55.4	15KP170A	15KP170CA
	180	2	201	222	5	288.5	52.3	15KP180A	15KP180CA
15000	200	2	224	247	5	319.1	47.3	15KP200A	15KP200CA
	220	2	246	272	5	352.5	42.8	15KP220A	15KP220CA
	240	2	268	292	5	384.6	39.3	15KP240A	15KP240CA
	260	2	289	317	5	416.7	36.2	15KP260A	15KP260CA
	280	2	311	341	5	454.5	33.2	15KP280A	15KP280CA
	28	1000	31.28	34.92	50	48	420.8	20KP28A	20KP28CA
	30	250	33.51	37.41	5	51.5	392.2	20KP30A	20KP30CA
	33	50	36.7	41.42	5	53.3	375.2	20KP33A	20KP33CA
15000	36	20	40.2	44.88	5	61.5	328.5	20KP36A	20KP36CA
	40	15	44.4	49.1	5	67.8	297.9	20KP40A	20KP40CA
	44	2	49.1	52.8	5	72.7	277.9	20KP44A	20KP44CA
	48	2	53.3	58.9	5	79.4	254.4	20KP48A	20KP48CA
	52	2	58.1	62.4	5	85.8	235.4	20KP52A	20KP52CA
	56	2	62.6	67.2	5	92.6	218.1	20KP56A	20KP56CA
	60	2	66.7	73.7	5	97.6	207	20KP60A	20KP60CA
	64	2	71.1	78.6	5	104	194.2	20KP64A	20KP64CA
15000	68	2	76	81.6	5	110	183.6	20KP68A	20KP68CA
	72	2	80.4	86.4	5	116	174.1	20KP72A	20KP72CA
	80	2	89.4	96	5	130	155.4	20KP80A	20KP80CA
	88	2	98.3	105.6	5	142	142.3	20KP88A	20KP88CA
	96	2	107.2	115.2	5	155	130.3	20KP96A	20KP96CA
	104	2	116.2	124.8	5	168	120.2	20KP104A	20KP104CA
	112	2	125.1	134.4	5	182	111	20KP112A	20KP112CA
	120	2	134	144	5	194	104.1	20KP120A	20KP120CA
15000	132	2	147.4	158.4	5	213	94.8	20KP132A	20KP132CA

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
20000	144	2	160.8	172.8	5	232	87.1	20KP144A	20KP144CA
	160	2	178.7	185	5	258	78.3	20KP160A	20KP160CA
	172	2	192.1	206.4	5	277	72.9	20KP172A	20KP172CA
	180	2	201.1	216	5	291	69.4	20KP180A	20KP180CA
	192	2	214.5	230.4	5	309	65.4	20KP192A	20KP192CA
	204	2	227.9	244.8	5	329	61.4	20KP204A	20KP204CA
	216	2	241.3	259.2	5	348	58	20KP216A	20KP216CA
	232	2	259.1	278.4	5	374	54	20KP232A	20KP232CA
	240	2	268.1	288	5	387	52.2	20KP240A	20KP240CA
	256	2	286	307.2	5	412	49	20KP256A	20KP256CA
	280	2	312.8	336	5	451	44.8	20KP280A	20KP280CA
	300	2	335.1	360	5	483	41.8	20KP300A	20KP300CA
30000	28	5000	31.28	34.41	50	50	606	30KP28A	30KP28CA
	30	5000	33.51	36.86	50	55.2	548.9	30KP30A	30KP30CA
	33	5000	36.9	40.59	50	58.5	517.9	30KP33A	30KP33CA
	36	5000	40.2	44.22	50	61.8	490.3	30KP36A	30KP36CA
	39	2000	43.6	47.96	20	67.2	450.9	30KP39A	30KP39CA
	42	1000	46.9	51.59	10	72	420.8	30KP42A	30KP42CA
	43	1000	48	52.8	10	73	415.1	30KP43A	30KP43CA
	45	250	50.3	55.33	5	77.4	391.5	30KP45A	30KP45CA
	48	150	53.6	58.96	5	81.6	371.3	30KP48A	30KP48CA
	51	50	57	62.7	5	86.4	350.7	30KP51A	30KP51CA
	54	20	60.3	66.33	5	91.4	331.5	30KP54A	30KP54CA
	58	20	64.8	71.28	5	92.4	327.9	30KP58A	30KP58CA
	60	15	67	73.7	5	102	297.1	30KP60A	30KP60CA
	64	10	71.5	78.65	5	104	291.3	30KP64A	30KP64CA
	66	2	73.7	81.07	5	107	283.2	30KP66A	30KP66CA
	70	2	78.2	86.02	5	109	278	30KP70A	30KP70CA
	71	2	79.3	87.23	5	111.5	271.7	30KP71A	30KP71CA
	72	2	80.4	88.44	5	114	265.8	30KP72A	30KP72CA
	75	2	83.8	92.18	5	119.4	253.8	30KP75A	30KP75CA
	78	2	87.1	95.81	5	129	234.9	30KP78A	30KP78CA
	84	2	93.8	103.18	5	139.2	217.7	30KP84A	30KP84CA
	90	2	100.5	110.55	5	146.4	207	30KP90A	30KP90CA
	96	2	107.2	117.92	5	156	194.2	30KP96A	30KP96CA
	102	2	113.9	125.29	5	165.6	183	30KP102A	30KP102CA
	108	2	120.6	132.66	5	175.2	172.9	30KP108A	30KP108CA
	120	2	134	147.4	5	194.4	155.9	30KP120A	30KP120CA
	132	2	147.4	162.14	5	213	142.3	30KP132A	30KP132CA
	144	2	160.8	176.88	5	223.2	135.8	30KP144A	30KP144CA
	150	2	167.6	184.36	5	233.4	129.8	30KP150A	30KP150CA
	156	2	174.3	191.73	5	245	123.7	30KP156A	30KP156CA
	160	2	178.7	196.57	5	252.6	120	30KP160A	30KP160CA
	168	2	187.7	206.47	5	272.4	111.2	30KP168A	30KP168CA
	170	2	189.9	208.89	5	275	110.2	30KP170A	30KP170CA
	180	2	201.1	221.21	5	290.4	104.3	30KP180A	30KP180CA
	198	2	221.2	243.32	5	319.8	94.7	30KP198A	30KP198CA
	216	2	241.3	265.43	5	348.6	86.9	30KP216A	30KP216CA
	240	2	268.1	294.91	5	387	78.3	30KP240A	30KP240CA
	258	2	288.2	317.02	5	414.4	72.8	30KP258A	30KP258CA
	260	2	290.4	319.44	5	416	72.5	30KP260A	30KP260CA
	270	2	301.6	331.76	5	436.2	69.5	30KP270A	30KP270CA
	280	2	312.8	344.08	5	464	65.3	30KP280A	30KP280CA
	288	2	321.7	353.87	5	469.9	64.5	30KP288A	30KP288CA
	300	2	334	367.4	5	484	62	30KP300A	30KP300CA
	400	2	447	494	5	648	46.3	30KP400A	30KP400CA

Transient Voltage Suppressor (TVS)

Parameter	Range	Unit
P _{PP}	400 - 600	[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



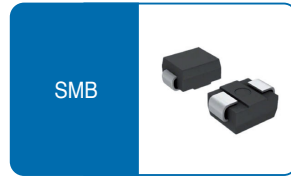
PPP (W)	VR (V)	IR_Max (μA)	VBR_Min (V)	VBR_Max (V)	IT (mA)	VC_Max (V)	IPP (A)	Industrial		Automotive	
								Uni-Directional	Bi-Directional	Uni-Directional	Bi-Directional
400	3.3	100	4.1	-	1	7.3	50	SMAJ3.3A			
	5	120	6.4	7	10	9.2	43.5	SMAJ5.0A	SMAJ5.0CA		
	6	120	6.67	7.37	10	10.3	38.8	SMAJ6.0A	SMAJ6.0CA		
	6.5	80	7.22	7.98	10	11.2	35.7	SMAJ6.5A	SMAJ6.5CA		
	7	50	7.78	8.6	10	12	33.3	SMAJ7.0A	SMAJ7.0CA		
	7.5	50	8.33	9.21	1	12.9	31	SMAJ7.5A	SMAJ7.5CA		
	8	20	8.89	9.83	1	13.6	29.4	SMAJ8.0A	SMAJ8.0CA		
	8.5	10	9.44	10.4	1	14.4	27.8	SMAJ8.5A	SMAJ8.5CA		
	9	5	10	11.1	1	15.4	26	SMAJ9.0A	SMAJ9.0CA		
	10	2	11.1	12.3	1	17	23.5	SMAJ10A	SMAJ10CA	SMAJ10A-AU	SMAJ10CA-AU
	11	1	12.2	13.5	1	18.2	22	SMAJ11A	SMAJ11CA	SMAJ11A-AU	SMAJ11CA-AU
	12	1	13.3	14.7	1	19.9	20.1	SMAJ12A	SMAJ12CA	SMAJ12A-AU	SMAJ12CA-AU
	13	1	14.4	15.9	1	21.5	18.6	SMAJ13A	SMAJ13CA	SMAJ13A-AU	SMAJ13CA-AU
	14	1	15.6	17.2	1	23.2	17.3	SMAJ14A	SMAJ14CA	SMAJ14A-AU	SMAJ14CA-AU
	15	1	16.7	18.5	1	24.4	16.4	SMAJ15A	SMAJ15CA	SMAJ15A-AU	SMAJ15CA-AU
	16	1	17.8	19.7	1	26	15.4	SMAJ16A	SMAJ16CA	SMAJ16A-AU	SMAJ16CA-AU
	17	1	18.9	20.9	1	27.6	14.5	SMAJ17A	SMAJ17CA	SMAJ17A-AU	SMAJ17CA-AU
	18	1	20	22.1	1	29.2	13.7	SMAJ18A	SMAJ18CA	SMAJ18A-AU	SMAJ18CA-AU
	20	1	22.2	24.5	1	32.4	12.4	SMAJ20A	SMAJ20CA	SMAJ20A-AU	SMAJ20CA-AU
	22	1	24.4	26.9	1	35.5	11.3	SMAJ22A	SMAJ22CA	SMAJ22A-AU	SMAJ22CA-AU
	24	1	26.7	29.5	1	38.9	10.3	SMAJ24A	SMAJ24CA	SMAJ24A-AU	SMAJ24CA-AU
	26	1	28.9	31.9	1	42.1	9.5	SMAJ26A	SMAJ26CA	SMAJ26A-AU	SMAJ26CA-AU
	28	1	31.1	34.4	1	45.4	8.8	SMAJ28A	SMAJ28CA	SMAJ28A-AU	SMAJ28CA-AU
	30	1	33.3	36.8	1	48.4	8.3	SMAJ30A	SMAJ30CA	SMAJ30A-AU	SMAJ30CA-AU
	33	1	36.7	40.6	1	53.3	7.5	SMAJ33A	SMAJ33CA	SMAJ33A-AU	SMAJ33CA-AU
	36	1	40	44.2	1	58.1	6.9	SMAJ36A	SMAJ36CA	SMAJ36A-AU	SMAJ36CA-AU
	40	1	44.4	49.1	1	64.5	6.2	SMAJ40A	SMAJ40CA	SMAJ40A-AU	SMAJ40CA-AU
	43	1	47.8	52.8	1	69.4	5.8	SMAJ43A	SMAJ43CA	SMAJ43A-AU	SMAJ43CA-AU
	45	1	50	55.3	1	72.7	5.5	SMAJ45A	SMAJ45CA	SMAJ45A-AU	SMAJ45CA-AU
	48	1	53.3	58.9	1	77.4	5.2	SMAJ48A	SMAJ48CA	SMAJ48A-AU	SMAJ48CA-AU
	51	1	56.7	62.7	1	82.4	4.9	SMAJ51A	SMAJ51CA	SMAJ51A-AU	SMAJ51CA-AU
	54	1	60	66.3	1	87.1	4.6	SMAJ54A	SMAJ54CA	SMAJ54A-AU	SMAJ54CA-AU
	58	1	64.4	71.2	1	93.6	4.3	SMAJ58A	SMAJ58CA	SMAJ58A-AU	SMAJ58CA-AU
	60	1	66.7	73.7	1	96.8	4.1	SMAJ60A	SMAJ60CA	SMAJ60A-AU	SMAJ60CA-AU
	64	1	71.1	78.6	1	103	3.9	SMAJ64A	SMAJ64CA	SMAJ64A-AU	SMAJ64CA-AU
	70	1	77.8	86	1	113	3.6	SMAJ70A	SMAJ70CA	SMAJ70A-AU	SMAJ70CA-AU
	75	1	83.3	92.1	1	121	3.3	SMAJ75A	SMAJ75CA	SMAJ75A-AU	SMAJ75CA-AU
	78	1	86.7	95.8	1	126	3.2	SMAJ78A	SMAJ78CA	SMAJ78A-AU	SMAJ78CA-AU
	85	1	94.4	104	1	137	2.9	SMAJ85A	SMAJ85CA	SMAJ85A-AU	SMAJ85CA-AU
	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
	110	1	122	135	1	177	2.3	SMAJ110A	SMAJ110CA	SMAJ110A-AU	SMAJ110CA-AU
	120	1	133	147	1	193	2.1	SMAJ120A	SMAJ120CA	SMAJ120A-AU	SMAJ120CA-AU
	130	1	144	159	1	209	1.9	SMAJ130A	SMAJ130CA	SMAJ130A-AU	SMAJ130CA-AU
	150	1	167	185	1	243	1.7	SMAJ150A	SMAJ150CA	SMAJ150A-AU	SMAJ150CA-AU
	160	1	178	197	1	259	1.6	SMAJ160A	SMAJ160CA	SMAJ160A-AU	SMAJ160CA-AU
	170	1	189	209	1	275	1.5	SMAJ170A	SMAJ170CA	SMAJ170A-AU	SMAJ170CA-AU
	180	1	201	222	1	292	1.4	SMAJ180A	SMAJ180CA	SMAJ180A-AU	SMAJ180CA-AU
	200	1	224	247	1	324	1.3	SMAJ200A	SMAJ200CA	SMAJ200A-AU	SMAJ200CA-AU
	220	1	246	272	1	356	1.1	SMAJ220A	SMAJ220CA	SMAJ220A-AU	SMAJ220CA-AU
	250	1	279	309	1	405	1	SMAJ250A	SMAJ250CA	SMAJ250A-AU	SMAJ250CA-AU
	300	1	335	371	1	486	0.8	SMAJ300A	SMAJ300CA	SMAJ300A-AU	SMAJ300CA-AU
	350	1	391	432	1	567	0.7	SMAJ350A	SMAJ350CA	SMAJ350A-AU	SMAJ350CA-AU
	400	1	447	494	1	648	0.6	SMAJ400A	SMAJ400CA	SMAJ400A-AU	SMAJ400CA-AU
	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			
	18	1	20	22.3	1	37	500	SM05K18CS			
	20	1	22	24.5	1	40	500	SM05K20CS			
	5	120	6.4	7	10	9.2	65.2	6AJ5.0A	6AJ5.0CA		
	6	120	6.67	7.37	10	10.3	58.3	6AJ6.0A	6AJ6.0CA		
	6.5	120	7.22	7.98	10	11.2	53.6	6AJ6.5A	6AJ6.5CA		
	7	50	7.78	8.6	10	12	50	6AJ7.0A	6AJ7.0CA		
	7.5	50	8.33	9.21	1	12.9	46.5	6AJ7.5A	6AJ7.5CA		
	8	20	8.89	9.83	1	13.6	44.1	6AJ8.0A	6AJ8.0CA		
	8.5	10	9.44	10.4	1	14.4	41.7	6AJ8.5A	6AJ8.5CA		
	9	5	10	11.1	1	15.4	39	6AJ9.0A	6AJ9.0CA		
	10	2	11.1	12.3	1	17	35.3	6AJ10A	6AJ10CA	6AJ10A-AU	6AJ10CA-AU
	11	1	12.2	13.5	1	18.2	33	6AJ11A	6AJ11CA	6AJ11A-AU	6AJ11CA-AU
	12	1	13.3	14.7	1	19.9	30.2	6AJ12A	6AJ12CA	6AJ12A-AU	6AJ12CA-AU
	13	1	14.4	15.9	1	21.5	27.9	6AJ13A	6AJ13CA	6AJ13A-AU	6AJ13CA-AU
	14	1	15.6	17.2	1	23.2	25.9	6AJ14A	6AJ14CA	6AJ14A-AU	6AJ14CA-AU
	15	1	16.7	18.5	1	24.4	24.6	6AJ15A	6AJ15CA	6AJ15A-AU	6AJ15CA-AU
	16	1	17.8	19.7	1	26	23.1	6AJ16A	6AJ16CA	6AJ16A-AU	6AJ16CA-AU
	17	1	18.9	20.9	1	27.6	21.8	6AJ17A	6AJ17CA	6AJ17A-AU	6AJ17CA-AU
	18	1	20	22.1	1	29.2	20.6	6AJ18A	6AJ18CA	6AJ18A-AU	6AJ18CA-AU
	20	1	22.2	24.5	1	32.4	18.6	6AJ20A	6AJ20CA	6AJ20A-AU	6AJ20CA-AU
	22	1	24.4	26.9	1	35.5	16.9	6AJ22A	6AJ22CA	6AJ22A-AU	6AJ22CA-AU
	24	1	26.7	29.5	1	38.9	15.4	6AJ24A	6AJ24CA	6AJ24A-AU	6AJ24CA-AU
	26	1	28.9	31.9	1	42.1	14.3	6AJ26A	6AJ26CA	6AJ26A-AU	6AJ26CA-AU
	28	1	31.1	34.4	1	45.4	13.2	6AJ28A	6AJ28CA	6AJ28A-AU	6AJ28CA-AU
	30	1	33.3	36.8	1	48.4	12.4	6AJ30A	6AJ30CA	6AJ30A-AU	6AJ30CA-AU
	33	1	36.7	40.6	1	53.3	11.3	6AJ33A	6AJ33CA	6AJ33A-AU	6AJ33CA-AU
	36	1	40	44.2	1	58.1	10.4	6AJ36A	6AJ36CA	6AJ36A-AU	6AJ36CA-AU
	40	1	44.4	49.1	1	64.5	9.3	6AJ40A	6AJ40CA	6AJ40A-AU	6AJ40CA-AU
	43	1	47.8	52.8	1	69.4	8.7	6AJ43A	6AJ43CA	6AJ43A-AU	6AJ43CA-AU
	45	1	50	55.3	1	72.7	8.3	6AJ45A	6AJ45CA	6AJ45A-AU	6AJ45CA-AU
	48	1	53.3	58.9	1	77.4	7.8	6AJ48A	6AJ48CA	6AJ48A-AU	6AJ48CA-AU
	51	1	56.7	62.7	1	82.4	7.3	6AJ51A	6AJ51CA	6AJ51A-AU	6AJ51CA-AU
	54	1	60	66.3	1	87.1	6.9	6AJ54A	6AJ54CA	6AJ54A-AU	6AJ54CA-AU
	58	1	64.4	71.2	1	93.6	6.4	6AJ58A	6AJ58CA	6AJ58A-AU	6AJ58CA-AU
	60	1	66.7	73.7	1	96.8	6.2	6AJ60A	6AJ60CA	6AJ60A-AU	6AJ60CA-AU
	64	1	71.1	78.6	1	103	5.8	6AJ64A	6AJ64CA	6AJ64A-AU	6AJ64CA-AU
	70	1	77.8	86	1	113	5.3	6AJ70A	6AJ70CA	6AJ70A-AU	6AJ70CA-AU
	75	1	83.3	92.1	1	121	5	6AJ75A	6AJ75CA	6AJ75A-AU	6AJ75CA-AU
	78	1	86.7	95.8	1	126	4.8	6AJ78A	6AJ78CA	6AJ78A-AU	6AJ78CA-AU
	85	1	94.4	104	1	137	4.4	6AJ85A	6AJ85CA	6AJ85A-AU	6AJ85CA-AU
	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
600	110	1	122	135	1	177	3.4	6AJ110A	6AJ110CA	6AJ110A-AU	6AJ110CA-AU
	120	1	133	147	1	193	3.1	6AJ120A	6AJ120CA	6AJ120A-AU	6AJ120CA-AU
	220	1	246	272	1	356	1.7	6AJ200A			

Transient Voltage Suppressor (TVS)

Parameter	Range	Unit
P_{PP}	600 - 1000	[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	3.3	100	4.1	*	1	7.3	82.5	SMBJ3.3A			
	5	120	6.4	7	10	9.2	65.2	SMBJ5.0A	SMBJ5.0CA		
	6	120	6.67	7.37	10	10.3	58.3	SMBJ6.0A	SMBJ6.0CA		
	6.5	120	7.22	7.98	10	11.2	53.6	SMBJ6.5A	SMBJ6.5CA		
	7	50	7.78	8.6	10	12	50	SMBJ7.0A	SMBJ7.0CA		
	7.5	50	8.33	9.21	1	12.9	46.5	SMBJ7.5A	SMBJ7.5CA		
	8	20	8.89	9.83	1	13.6	44.1	SMBJ8.0A	SMBJ8.0CA		
	8.5	10	9.44	10.4	1	14.4	41.7	SMBJ8.5A	SMBJ8.5CA		
	9	5	10	11.1	1	15.4	39	SMBJ9.0A	SMBJ9.0CA		
	10	2	11.1	12.3	1	17	35.3	SMBJ10A	SMBJ10CA	SMBJ10A-AU	SMBJ10CA-AU
	11	1	12.2	13.5	1	18.2	33	SMBJ11A	SMBJ11CA	SMBJ11A-AU	SMBJ11CA-AU
	12	1	13.3	14.7	1	19.9	30.2	SMBJ12A	SMBJ12CA	SMBJ12A-AU	SMBJ12CA-AU
	13	1	14.4	15.9	1	21.5	27.9	SMBJ13A	SMBJ13CA	SMBJ13A-AU	SMBJ13CA-AU
	14	1	15.6	17.2	1	23.2	25.9	SMBJ14A	SMBJ14CA	SMBJ14A-AU	SMBJ14CA-AU
	15	1	16.7	18.5	1	24.4	24.6	SMBJ15A	SMBJ15CA	SMBJ15A-AU	SMBJ15CA-AU
	16	1	17.8	19.7	1	26	23.1	SMBJ16A	SMBJ16CA	SMBJ16A-AU	SMBJ16CA-AU
	17	1	18.9	20.9	1	27.6	21.8	SMBJ17A	SMBJ17CA	SMBJ17A-AU	SMBJ17CA-AU
	18	1	20	22.1	1	29.2	20.6	SMBJ18A	SMBJ18CA	SMBJ18A-AU	SMBJ18CA-AU
	20	1	22.2	24.5	1	32.4	18.6	SMBJ20A	SMBJ20CA	SMBJ20A-AU	SMBJ20CA-AU
	22	1	24.4	26.9	1	35.5	16.9	SMBJ22A	SMBJ22CA	SMBJ22A-AU	SMBJ22CA-AU
	24	1	26.7	29.5	1	38.9	15.4	SMBJ24A	SMBJ24CA	SMBJ24A-AU	SMBJ24CA-AU
	26	1	28.9	31.9	1	42.1	14.3	SMBJ26A	SMBJ26CA	SMBJ26A-AU	SMBJ26CA-AU
	28	1	31.1	34.4	1	45.4	13.2	SMBJ28A	SMBJ28CA	SMBJ28A-AU	SMBJ28CA-AU
	30	1	33.3	36.8	1	48.4	12.4	SMBJ30A	SMBJ30CA	SMBJ30A-AU	SMBJ30CA-AU
	33	1	36.7	40.6	1	53.3	11.3	SMBJ33A	SMBJ33CA	SMBJ33A-AU	SMBJ33CA-AU
	36	1	40	44.2	1	58.1	10.4	SMBJ36A	SMBJ36CA	SMBJ36A-AU	SMBJ36CA-AU
	40	1	44.4	49.1	1	64.5	9.3	SMBJ40A	SMBJ40CA	SMBJ40A-AU	SMBJ40CA-AU
	43	1	47.8	52.8	1	69.4	8.7	SMBJ43A	SMBJ43CA	SMBJ43A-AU	SMBJ43CA-AU
	45	1	50	55.3	1	72.7	8.3	SMBJ45A	SMBJ45CA	SMBJ45A-AU	SMBJ45CA-AU
	48	1	53.3	58.9	1	77.4	7.8	SMBJ48A	SMBJ48CA	SMBJ48A-AU	SMBJ48CA-AU
	51	1	56.7	62.7	1	82.4	7.3	SMBJ51A	SMBJ51CA	SMBJ51A-AU	SMBJ51CA-AU
	54	1	60	66.3	1	87.1	6.9	SMBJ54A	SMBJ54CA	SMBJ54A-AU	SMBJ54CA-AU
	58	1	64.4	71.2	1	93.6	6.4	SMBJ58A	SMBJ58CA	SMBJ58A-AU	SMBJ58CA-AU
	60	1	66.7	73.7	1	96.8	6.2	SMBJ60A	SMBJ60CA	SMBJ60A-AU	SMBJ60CA-AU
	64	1	71.1	78.6	1	103	5.8	SMBJ64A	SMBJ64CA	SMBJ64A-AU	SMBJ64CA-AU
	70	1	77.8	86	1	113	5.3	SMBJ70A	SMBJ70CA	SMBJ70A-AU	SMBJ70CA-AU
	75	1	83.3	92.1	1	121	5	SMBJ75A	SMBJ75CA	SMBJ75A-AU	SMBJ75CA-AU
	78	1	86.7	95.8	1	126	4.8	SMBJ78A	SMBJ78CA	SMBJ78A-AU	SMBJ78CA-AU
	85	1	94.4	104	1	137	4.4	SMBJ85A	SMBJ85CA	SMBJ85A-AU	SMBJ85CA-AU
	90	1	100	111	1	146	4.1	SMBJ90A	SMBJ90CA	SMBJ90A-AU	SMBJ90CA-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	100	1	111	123	1	162	3.7	SMBJ100A	SMBJ100CA	SMBJ100A-AU	SMBJ100CA-AU
	110	1	122	135	1	177	3.4	SMBJ110A	SMBJ110CA	SMBJ110A-AU	SMBJ110CA-AU
	120	1	133	147	1	193	3.1	SMBJ120A	SMBJ120CA	SMBJ120A-AU	SMBJ120CA-AU
	130	1	144	159	1	209	2.9	SMBJ130A	SMBJ130CA	SMBJ130A-AU	SMBJ130CA-AU
	150	1	167	185	1	243	2.5	SMBJ150A	SMBJ150CA	SMBJ150A-AU	SMBJ150CA-AU
	160	1	178	197	1	259	2.3	SMBJ160A	SMBJ160CA	SMBJ160A-AU	SMBJ160CA-AU
	170	1	189	209	1	275	2.2	SMBJ170A	SMBJ170CA	SMBJ170A-AU	SMBJ170CA-AU
	180	1	201	222	1	292	2.1	SMBJ180A	SMBJ180CA	SMBJ180A-AU	SMBJ180CA-AU
	190	1	211	234	1	307	2	SMBJ190A	SMBJ190CA	SMBJ190A-AU	SMBJ190CA-AU
	200	1	224	247	1	324	1.9	SMBJ200A	SMBJ200CA	SMBJ200A-AU	SMBJ200CA-AU
	210	1	233	258	1	337	1.8	SMBJ210A	SMBJ210CA	SMBJ210A-AU	SMBJ210CA-AU
	220	1	246	272	1	356	1.7	SMBJ220A	SMBJ220CA	SMBJ220A-AU	SMBJ220CA-AU
	250	1	279	309	1	405	1.5	SMBJ250A	SMBJ250CA	SMBJ250A-AU	SMBJ250CA-AU
	300	1	335	371	1	486	1.3	SMBJ300A	SMBJ300CA	SMBJ300A-AU	SMBJ300CA-AU
	350	1	391	432	1	567	1.1	SMBJ350A	SMBJ350CA	SMBJ350A-AU	SMBJ350CA-AU
	400	1	447	494	1	648	0.9	SMBJ400A	SMBJ400CA	SMBJ400A-AU	SMBJ400CA-AU
	440	1	492	543	1	713	0.8	SMBJ440A	SMBJ440CA	SMBJ440A-AU	SMBJ440CA-AU
	5	200	6.4	7	10	9.2	108.7	10BJ5.0A	10BJ5.0CA		
	6	200	6.67	7.37	10	10.3	97.1	10BJ6.0A	10BJ6.0CA		
	6.5	120	7.22	7.98	10	11.2	89.3	10BJ6.5A	10BJ6.5CA		
	7	80	7.78	8.6	10	12	83.4	10BJ7.0A	10BJ7.0CA		
	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		
	8.5	10	9.44	10.4	1	14.4	69.5	10BJ8.5A	10BJ8.5CA		
	9	5	10	11.1	1	15.4	65	10BJ9.0A	10BJ9.0CA		
	10	2	11.1	12.3	1	17	58.9	10BJ10A	10BJ10CA	10BJ10A-AU	10BJ10CA-AU
	11	1	12.2	13.5	1	18.2	55	10BJ11A	10BJ11CA	10BJ11A-AU	10BJ11CA-AU
	12	1	13.3	14.7	1	19.9	50.3	10BJ12A	10BJ12CA	10BJ12A-AU	10BJ12CA-AU
	13	1	14.4	15.9	1	21.5	46.6	10BJ13A	10BJ13CA	10BJ13A-AU	10BJ13CA-AU
	14	1	15.6	17.2	1	23.2	43.1	10BJ14A	10BJ14CA	10BJ14A-AU	10BJ14CA-AU
	15	1	16.7	18.5	1	24.4	41	10BJ15A	10BJ15CA	10BJ15A-AU	10BJ15CA-AU
	16	1	17.8	19.7	1	26	38.5	10BJ16A	10BJ16CA	10BJ16A-AU	10BJ16CA-AU
	17	1	18.9	20.9	1	27.6	36.3	10BJ17A	10BJ17CA	10BJ17A-AU	10BJ17CA-AU
	18	1	20	22.1	1	29.2	34.3	10BJ18A	10BJ18CA	10BJ18A-AU	10BJ18CA-AU
	20	1	22.2	24.5	1	32.4	30.9	10BJ20A	10BJ20CA	10BJ20A-AU	10BJ20CA-AU
	22	1	24.4	26.9	1	35.5	28.2	10BJ22A	10BJ22CA	10BJ22A-AU	10BJ22CA-AU
	24	1	26.7	29.5	1	38.9	25.7	10BJ24A	10BJ24CA	10BJ24A-AU	10BJ24CA-AU
	26	1	28.9	31.9	1	42.1	23.8	10BJ26A	10BJ26CA	10BJ26A-AU	10BJ26CA-AU
	28	1	31.1	34.4	1	45.4	22.1	10BJ28A	10BJ28CA	10BJ28A-AU	10BJ28CA-AU
	30	1	33.3	36.8	1	48.4	20.7	10BJ30A	10BJ30CA	10BJ30A-AU	10BJ30CA-AU
	33	1	36.7	40.6	1	53.3	18.8	10BJ33A	10BJ33CA	10BJ33A-AU	10BJ33CA-AU
	36	1	40	44.2	1	58.1	17.2	10BJ36A	10BJ36CA	10BJ36A-AU	10BJ36CA-AU
	40	1	44.4	49.1	1	64.5	15.5	10BJ40A	10BJ40CA	10BJ40A-AU	10BJ40CA-AU
	43	1	47.8	52.8	1	69.4	14.4	10BJ43A	10BJ43CA	10BJ43A-AU	10BJ43CA-AU
	45	1	50	55.3	1	72.7	13.8	10BJ45A	10BJ45CA	10BJ45A-AU	10BJ45CA-AU
	48	1	53.3	58.9	1	77.4	13	10BJ48A	10BJ48CA	10BJ48A-AU	10BJ48CA-AU
	51	1	56.7	62.7	1	82.4	12.2	10BJ51A	10BJ51CA	10BJ51A-AU	10BJ51CA-AU
	54	1	60	66.3	1	87.1	11.5	10BJ54A	10BJ54CA	10BJ54A-AU	10BJ54CA-AU
	58	1	64.4	71.2	1	93.6	10.7	10BJ58A	10BJ58CA	10BJ58A-AU	10BJ58CA-AU
	60	1	66.7	73.7	1	96.8	10.3	10BJ60A	10BJ60CA	10BJ60A-AU	10BJ60CA-AU
	64	1	71.1	78.6	1	103	9.7	10BJ64A	10BJ64CA	10BJ64A-AU	10BJ64CA-AU
	70	1	77.8	86	1	113	8.9	10BJ70A	10BJ70CA	10BJ70A-AU	10BJ70CA-AU
	75	1	83.3	92.1	1	121	8.3	10BJ75A	10BJ75CA	10BJ75A-AU	10BJ75CA-AU
	78	1	86.7	95.8	1	126	7.9	10BJ78A	10BJ78CA	10BJ78A-AU	10BJ78CA-AU
	85	1	94.4	104	1	137	7.3	10BJ85A	10BJ85CA	10BJ85A-AU	10BJ85CA-AU
	90	1	100	111	1	146	6.9	10BJ90A	10BJ90CA	10BJ90A-AU	10BJ90CA-AU
	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
	120	1	133	147	1	193	5.2	10BJ120A	10BJ120CA	10BJ120A-AU	10BJ120CA-AU
	130	1	144	159	1	209	4.8	10BJ130A	10BJ130CA	10BJ130A-AU	10BJ130CA-AU
	150	1	167	185	1	243	4.2	10BJ150A	10BJ150CA	10BJ150A-AU	10BJ150CA-AU
	160	1	178	197	1	259	3.9	10BJ160A	10BJ160CA	10BJ160A-AU	10BJ160CA-AU
	170	1	189	209	1	275	3.7	10BJ170A	10BJ170CA	10BJ170A-AU	10BJ170CA-AU
	180	1	201	222	1	292	3.5	10BJ180A	10BJ180CA	10BJ180A-AU	10BJ180CA-AU
	190	1	211	234	1	307	3.3	10BJ190A	10BJ190CA	10BJ190A-AU	10BJ190CA-AU
8/20μs	200	1	224	247	1	324	3.1	10BJ200A	10BJ200CA	10BJ200A-AU	10BJ200CA-AU
	15	1	16.7	18.5	1	32	1000	SM1K15C			
	16	1	17.8	19.7	1	34	1000	SM1K16C			
	18	1	20	22.3	1	37	1000	SM1K18C			
	20	1	22	24.5	1	40	1000	SM1K20C			
	15	1	16.7	18.5	1	32	500	SM05K15C			
	18	1	20	22.3	1	37	500	SM05K18C			
	20	1	22	24.5	1	40	500	SM05K20C			
	30	1	33.3	38	1	48	500	SM05K30C			

Transient Voltage Suppressor (TVS)

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	10	9.2	163	15BJ5.0A	15BJ5.0CA		
	6	250	6.67	7.37	10	10.3	145.6	15BJ6.0A	15BJ6.0CA		
	6.5	150	7.22	7.98	10	11.2	134	15BJ6.5A	15BJ6.5CA		
	7	100	7.78	8.6	10	12	125	15BJ7.0A	15BJ7.0CA		
	7.5	50	8.33	9.21	1	12.9	116.3	15BJ7.5A	15BJ7.5CA		
	8	30	8.89	9.83	1	13.6	110.3	15BJ8.0A	15BJ8.0CA		
	8.5	20	9.44	10.4	1	14.4	104.2	15BJ8.5A	15BJ8.5CA		
	9	10	10	11.1	1	15.4	97.4	15BJ9.0A	15BJ9.0CA	15BJ10A-AU	15BJ10CA-AU
	10	5	11.1	12.3	1	17	88.2	15BJ10A	15BJ10CA	15BJ11A-AU	15BJ11CA-AU
	11	2	12.2	13.5	1	18.2	82.4	15BJ11A	15BJ11CA	15BJ12A-AU	15BJ12CA-AU
	12	1	13.3	14.7	1	19.9	75.4	15BJ12A	15BJ12CA	15BJ13A-AU	15BJ13CA-AU
	13	1	14.4	15.9	1	21.5	69.8	15BJ13A	15BJ13CA	15BJ14A-AU	15BJ14CA-AU
	14	1	15.6	17.2	1	23.2	64.7	15BJ14A	15BJ14CA	15BJ15A-AU	15BJ15CA-AU
	15	1	16.7	18.5	1	24.4	61.5	15BJ15A	15BJ15CA	15BJ16A-AU	15BJ16CA-AU
	16	1	17.8	19.7	1	26	57.7	15BJ16A	15BJ16CA	15BJ17A-AU	15BJ17CA-AU
	17	1	18.9	20.9	1	27.6	54.4	15BJ17A	15BJ17CA	15BJ18A-AU	15BJ18CA-AU
	18	1	20	22.1	1	29.2	51.4	15BJ18A	15BJ18CA	15BJ20A-AU	15BJ20CA-AU
	20	1	22.2	24.5	1	32.4	46.3	15BJ20A	15BJ20CA	15BJ22A-AU	15BJ22CA-AU
	22	1	24.4	26.9	1	35.5	42.3	15BJ22A	15BJ22CA	15BJ24A-AU	15BJ24CA-AU
	24	1	26.7	29.5	1	38.9	38.6	15BJ24A	15BJ24CA	15BJ26A-AU	15BJ26CA-AU
	26	1	28.9	31.9	1	42.1	35.6	15BJ26A	15BJ26CA	15BJ28A-AU	15BJ28CA-AU
	28	1	31.1	34.4	1	45.4	33.1	15BJ28A	15BJ28CA	15BJ30A-AU	15BJ30CA-AU
	30	1	33.3	36.8	1	48.4	31	15BJ30A	15BJ30CA	15BJ33A-AU	15BJ33CA-AU
	33	1	36.7	40.6	1	53.3	28.2	15BJ33A	15BJ33CA	15BJ36A-AU	15BJ36CA-AU
	36	1	40	44.2	1	58.1	25.8	15BJ36A	15BJ36CA	15BJ40A-AU	15BJ40CA-AU
	40	1	44.4	49.1	1	64.5	23.3	15BJ40A	15BJ40CA	15BJ43A-AU	15BJ43CA-AU
	43	1	47.8	52.8	1	69.4	21.6	15BJ43A	15BJ43CA	15BJ45A-AU	15BJ45CA-AU
	45	1	50	55.3	1	72.7	20.6	15BJ45A	15BJ45CA	15BJ48A-AU	15BJ48CA-AU
	48	1	53.3	58.9	1	77.4	19.4	15BJ48A	15BJ48CA	15BJ51A-AU	15BJ51CA-AU
	51	1	56.7	62.7	1	82.4	18.2	15BJ51A	15BJ51CA	15BJ54A-AU	15BJ54CA-AU
	54	1	60	66.3	1	87.1	17.2	15BJ54A	15BJ54CA	15BJ58A-AU	15BJ58CA-AU
	58	1	64.4	71.2	1	93.6	16.1	15BJ58A	15BJ58CA	15BJ60A-AU	15BJ60CA-AU
	60	1	66.7	73.7	1	96.8	15.5	15BJ60A	15BJ60CA	15BJ64A-AU	15BJ64CA-AU
	64	1	71.1	78.6	1	103	14.6	15BJ64A	15BJ64CA	15BJ70A-AU	15BJ70CA-AU
	70	1	77.8	86	1	113	13.3	15BJ70A	15BJ70CA	15BJ75A-AU	15BJ75CA-AU
	75	1	83.3	92.1	1	121	12.4	15BJ75A	15BJ75CA	15BJ78A-AU	15BJ78CA-AU
	78	1	86.7	95.8	1	126	11.9	15BJ78A	15BJ78CA	15BJ85A-AU	15BJ85CA-AU
	85	1	94.4	104	1	137	11	15BJ85A	15BJ85CA	15BJ90A-AU	15BJ90CA-AU
	90	1	100	111	1	146	10.3	15BJ90A	15BJ90CA	15BJ100A-AU	15BJ100CA-AU
	100	1	111	123	1	162	9.3	15BJ100A	15BJ100CA	15BJ110A-AU	15BJ110CA-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	110	1	122	13	1	177	8.5	15BJ110A	15BJ110CA	15BJ120A-AU	15BJ120CA-AU
	120	1	133	147	1	193	7.8	15BJ120A	15BJ120CA	15BJ130A-AU	15BJ130CA-AU
	130	1	144	159	1	209	7.2	15BJ130A	15BJ130CA	15BJ150A-AU	15BJ150CA-AU
	150	1	167	185	1	243	6.2	15BJ150A	15BJ150CA	15BJ160A-AU	15BJ160CA-AU
	160	1	178	197	1	259	5.8	15BJ160A	15BJ160CA	15BJ170A-AU	15BJ170CA-AU
	170	1	189	209	1	275	5.5	15BJ170A	15BJ170CA	15BJ180A-AU	15BJ180CA-AU
	180	1	201	222	1	292	5.2	15BJ180A	15BJ180CA	15BJ190A-AU	15BJ190CA-AU
	190	1	211	234	1	307	4.9	15BJ190A	15BJ190CA	15BJ200A-AU	15BJ200CA-AU
	200	1	224	247	1	324	4.7	15BJ200A	15BJ200CA		
	210	1	233	258	1	337	4.5	15BJ210A	15BJ210CA		
	220	1	246	272	1	356	4.2	15BJ220A	15BJ220CA		
	250	1	279	309	1	405	3.7	15BJ250A	15BJ250CA		
	300	1	335	371	1	486	3.1	15BJ300A	15BJ300CA		
	350	1	391	432	1	567	2.6	15BJ350A	15BJ350CA		
	400	1	447	494	1	648	2.3	15BJ400A	15BJ400CA		
	440	1	492	5435	1	713	2.1	15BJ440A	15BJ440CA		

Transient Voltage Suppressor (TVS)

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
1.2/50μs-2Ω	5	800	6.4	7.1	10	20	3000A	SM3K5A	SM3K5C		
	6	800	6.5	7.4	10	22	3000A	SM3K6A	SM3K6C		
	30	1	32	37	1	65	2000V	SM1K30CC			
	30	1	33.3	36.8	1	65	2000V	SM2K30CC			
	33	1	36.7	40.6	1	70	2000V	SM2K33CC			
	36	1	40	44.2	1	72	2000V	SM2K36CC			
	36	1	40	44.5	1	72	2000V	SM1K36CC			
	40	1	44.4	49.1	1	75	2000V	SM2K40CC			
	43	1	47.5	53	1	80	4000V	SM1K43CC			
	58	1	60	72	1	100	4000V	SM1K58CC			
	64	1	71.1	78.6	1	135	4000V	SM1K64CC			
	76	1	85	95	1	140	4000V	SM1K76CC			
	58	1	64.4	71.2	1	100	6000V	5.0SMDJ58AS			
	6.5	150	7.22	7.98	10	11.2	134	SMCJ6.5A	SMCJ6.5CA		
	7	100	7.78	8.6	10	12	125	SMCJ7.0A	SMCJ7.0CA		
1500	7.5	50	8.33	9.21	1	12.9	116.3	SMCJ7.5A	SMCJ7.5CA		
	8	30	8.89	9.83	1	13.6	110.3	SMCJ8.0A	SMCJ8.0CA		
	8.5	20	9.44	10.4	1	14.4	104.2	SMCJ8.5A	SMCJ8.5CA		
	9	10	10	11.1	1	15.4	97.4	SMCJ9.0A	SMCJ9.0CA		
	10	5	11.1	12.3	1	17	88.2	SMCJ10A	SMCJ10CA	SMCJ10A-AU	SMCJ10CA-AU
	11	2	12.2	13.5	1	18.2	82.4	SMCJ11A	SMCJ11CA	SMCJ11A-AU	SMCJ11CA-AU
	12	1	13.3	14.7	1	19.9	75.4	SMCJ12A	SMCJ12CA	SMCJ12A-AU	SMCJ12CA-AU
	13	1	14.4	15.9	1	21.5	69.8	SMCJ13A	SMCJ13CA	SMCJ13A-AU	SMCJ13CA-AU
	14	1	15.6	17.2	1	23.2	64.7	SMCJ14A	SMCJ14CA	SMCJ14A-AU	SMCJ14CA-AU
	15	1	16.7	18.5	1	24.4	61.5	SMCJ15A	SMCJ15CA	SMCJ15A-AU	SMCJ15CA-AU
	16	1	17.8	19.7	1	26	57.7	SMCJ16A	SMCJ16CA	SMCJ16A-AU	SMCJ16CA-AU
	17	1	18.9	20.9	1	27.6	54.4	SMCJ17A	SMCJ17CA	SMCJ17A-AU	SMCJ17CA-AU
	18	1	20	22.1	1	29.2	51.4	SMCJ18A	SMCJ18CA	SMCJ18A-AU	SMCJ18CA-AU
	20	1	22.2	24.5	1	32.4	46.3	SMCJ20A	SMCJ20CA	SMCJ20A-AU	SMCJ20CA-AU
	22	1	24.4	26.9	1	35.5	42.3	SMCJ22A	SMCJ22CA	SMCJ22A-AU	SMCJ22CA-AU
	24	1	26.7	29.5	1	38.9	38.6	SMCJ24A	SMCJ24CA	SMCJ24A-AU	SMCJ24CA-AU
	26	1	28.9	31.9	1	42.1	35.6	SMCJ26A	SMCJ26CA	SMCJ26A-AU	SMCJ26CA-AU
	28	1	31.1	34.4	1	45.4	33.1	SMCJ28A	SMCJ28CA	SMCJ28A-AU	SMCJ28CA-AU
	30	1	33.3	36.8	1	48.4	31	SMCJ30A	SMCJ30CA	SMCJ30A-AU	SMCJ30CA-AU
	33	1	36.7	40.6	1	53.3	28.2	SMCJ33A	SMCJ33CA	SMCJ33A-AU	SMCJ33CA-AU
	36	1	40	44.2	1	58.1	25.8	SMCJ36A	SMCJ36CA	SMCJ36A-AU	SMCJ36CA-AU
	40	1	44.4	49.1	1	64.5	23.3	SMCJ40A	SMCJ40CA	SMCJ40A-AU	SMCJ40CA-AU
	43	1	47.8	52.8	1	69.4	21.6	SMCJ43A	SMCJ43CA	SMCJ43A-AU	SMCJ43CA-AU
	45	1	50	55.3	1	72.7	20.6	SMCJ45A	SMCJ45CA	SMCJ45A-AU	SMCJ45CA-AU
	48	1	53.3	58.9	1	77.4	19.4	SMCJ48A	SMCJ48CA	SMCJ48A-AU	SMCJ48CA-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	51	1	56.7	62.7	1	82.4	18.2	SMCJ51A	SMCJ51CA	SMCJ51A-AU	SMCJ51CA-AU
	54	1	60	66.3	1	87.1	17.2	SMCJ54A	SMCJ54CA	SMCJ54A-AU	SMCJ54CA-AU
	58	1	64.4	71.2	1	93.6	16.1	SMCJ58A	SMCJ58CA	SMCJ58A-AU	SMCJ58CA-AU
	60	1	66.7	73.7	1	96.8	15.5	SMCJ60A	SMCJ60CA	SMCJ60A-AU	SMCJ60CA-AU
	64	1	71.1	78.6	1	103	14.6	SMCJ64A	SMCJ64CA	SMCJ64A-AU	SMCJ64CA-AU
	70	1	77.8	86	1	113	13.3	SMCJ70A	SMCJ70CA	SMCJ70A-AU	SMCJ70CA-AU
	75	1	83.3	92.1	1	121	12.4	SMCJ75A	SMCJ75CA	SMCJ75A-AU	SMCJ75CA-AU
	78	1	86.7	95.8	1	126	11.9	SMCJ78A	SMCJ78CA	SMCJ78A-AU	SMCJ78CA-AU
	85	1	94.4	104	1	137	11	SMCJ85A	SMCJ85CA	SMCJ85A-AU	SMCJ85CA-AU
	90	1	100	111	1	146	10.3	SMCJ90A	SMCJ90CA	SMCJ90A-AU	SMCJ90CA-AU
	100	1	111	123	1	162	9.3	SMCJ100A	SMCJ100CA	SMCJ100A-AU	SMCJ100CA-AU
	110	1	122	135	1	177	8.5	SMCJ110A	SMCJ110CA	SMCJ110A-AU	SMCJ110CA-AU
	120	1	133	147	1	193	7.8	SMCJ120A	SMCJ120CA	SMCJ120A-AU	SMCJ120CA-AU
	130	1	144	159	1	209	7.2	SMCJ130A	SMCJ130CA	SMCJ130A-AU	SMCJ130CA-AU
	150	1	167	185	1	243	6.2	SMCJ150A	SMCJ150CA	SMCJ150A-AU	SMCJ150CA-AU
	160	1	178	197	1	259	5.8	SMCJ160A	SMCJ160CA	SMCJ160A-AU	SMCJ160CA-AU
	170	1	189	209	1	275	5.5	SMCJ170A	SMCJ170CA	SMCJ170A-AU	SMCJ170CA-AU
	180	1	201	222	1	292	5.2	SMCJ180A	SMCJ180CA	SMCJ180A-AU	SMCJ180CA-AU
	190	1	211	234	1	307	4.9	SMCJ190A	SMCJ190CA	SMCJ190A-AU	SMCJ190CA-AU
	200	1	224	247	1	324	4.7	SMCJ200A	SMCJ200CA	SMCJ200A-AU	SMCJ200CA-AU
	210	1	233	258	1	337	4.5	SMCJ210A	SMCJ210CA	SMCJ210A-AU	SMCJ210CA-AU
	220	1	246	272	1	356	4.2	SMCJ220A	SMCJ220CA	SMCJ220A-AU	SMCJ220CA-AU
	250	1	279	309	1	405	3.7	SMCJ250A	SMCJ250CA	SMCJ250A-AU	SMCJ250CA-AU
	300	1	335	371	1	486	3.1	SMCJ300A	SMCJ300CA	SMCJ300A-AU	SMCJ300CA-AU
	350	1	391	432	1	567	2.7	SMCJ350A	SMCJ350CA	SMCJ350A-AU	SMCJ350CA-AU
	400	1	447	494	1	648	2.3	SMCJ400A	SMCJ400CA	SMCJ400A-AU	SMCJ400CA-AU
	440	1	492	543	1	713	2.1	SMCJ440A	SMCJ440CA	SMCJ440A-AU	SMCJ440CA-AU
3000	5	800	6.4	7	10	9.2	326.1	SMDJ5.0A	SMDJ5.0CA		
	6	800	6.67	7.37	10	10.3	291.3	SMDJ6.0A	SMDJ6.0CA		
	6.5	500	7.22	7.98	10	11.2	267.9	SMDJ6.5A	SMDJ6.5CA		
	7	200	7.78	8.6	10	12	250	SMDJ7.0A	SMDJ7.0CA		
	7.5	100	8.33	9.21	1	12.9	232.6	SMDJ7.5A	SMDJ7.5CA		
	8	50	8.89	9.83	1	13.6	220.6	SMDJ8.0A	SMDJ8.0CA		
	8.5	20	9.44	10.4	1	14.4	208.3	SMDJ8.5A	SMDJ8.5CA		
	9	10	10	11.1	1	15.4	194.8	SMDJ9.0A	SMDJ9.0CA		
	10	5	11.1	12.3	1	17	176.5	SMDJ10A	SMDJ10CA		
	10	5	11.1	12.3	1	17	176.5			SMDJ10A-AU	SMDJ10CA-AU
	11	1	12.2	13.5	1	18.2	164.8	SMDJ11A	SMDJ11CA		
	11	5	12.2	13.5	1	18.2	164.8			SMDJ11A-AU	SMDJ11CA-AU
	12	1	13.3	14.7	1	19.9	150.8	SMDJ12A	SMDJ12CA		
	12	5	13.3	14.7	1	19.9	150.8			SMDJ12A-AU	SMDJ12CA-AU
	13	1	14.4	15.9	1	21.5	139.5	SMDJ13A	SMDJ13CA		
	13	5	14.4	15.9	1	21.5	139.5			SMDJ13A-AU	SMDJ13CA-AU
	14	1	15.6	17.2	1	23.2	129.3	SMDJ14A	SMDJ14CA		
	14	5	15.6	17.2	1	23.2	129.3			SMDJ14A-AU	SMDJ14CA-AU
	15	1	16.7	18.5	1	24.4	123	SMDJ15A	SMDJ15CA		
	15	5	16.7	18.5	1	24.4	123			SMDJ15A-AU	SMDJ15CA-AU
	16	1	17.8	19.7	1	26	115.4	SMDJ16A	SMDJ16CA		
	16	5	17.8	19.7	1	26	115.4			SMDJ16A-AU	SMDJ16CA-AU
	17	1	18.9	20.9	1	27.6	108.7	SMDJ17A	SMDJ17CA		
	17	5	18.9	20.9	1	27.6	108.7			SMDJ17A-AU	SMDJ17CA-AU
	18	1	20	22.1	1	29.2	102.7	SMDJ18A	SMDJ18CA		
	18	5	20	22.2	1	29.2	102.7			SMDJ18A-AU	SMDJ18CA-AU
	20	1	22.2	24.5	1	32.4	92.6	SMDJ20A	SMDJ20CA		
	20	5	22.2	24.5	1	32.4	92.6			SMDJ20A-AU	SMDJ20CA-AU
	22	1	24.4	26.9	1	35.5	84.5	SMDJ22A	SMDJ22CA		
	22	5	24.4	26.9	1	35.5	84.5			SMDJ22A-AU	SMDJ22CA-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	24	1	26.7	29.5	1	38.9	77.1	SMDJ24A	SMDJ24CA		
	24	5	26.7	29.5	1	38.9	77.1			SMDJ24A-AU	SMDJ24CA-AU
	26	1	28.9	31.9	1	42.1	71.3	SMDJ26A	SMDJ26CA		
	26	5	28.9	31.9	1	42.1	71.3			SMDJ26A-AU	SMDJ26CA-AU
	28	1	31.1	34.4	1	45.4	66.1	SMDJ28A	SMDJ28CA		
	28	5	31.1	34.4	1	45.4	66.1			SMDJ28A-AU	SMDJ28CA-AU
	30	1	33.3	36.8	1	48.4	62	SMDJ30A	SMDJ30CA		
	30	5	33.3	36.8	1	48.4	62			SMDJ30A-AU	SMDJ30CA-AU
	33	1	36.7	40.6	1	53.3	56.3	SMDJ33A	SMDJ33CA		
	33	5	36.7	40.6	1	53.3	56.3			SMDJ33A-AU	SMDJ33CA-AU
	36	1	40	44.2	1	58.1	51.6	SMDJ36A	SMDJ36CA		
	36	5	40	44.2	1	58.1	51.6			SMDJ36A-AU	SMDJ36CA-AU
	40	1	44.4	49.1	1	64.5	46.5	SMDJ40A	SMDJ40CA		
	40	5	44.4	49.1	1	64.5	46.5			SMDJ40A-AU	SMDJ40CA-AU
	43	1	47.8	52.8	1	69.4	43.2	SMDJ43A	SMDJ43CA		
	43	5	47.8	52.8	1	69.4	43.2			SMDJ43A-AU	SMDJ43CA-AU
	45	1	50	55.3	1	72.7	41.3	SMDJ45A	SMDJ45CA		
	45	5	50	55.3	1	72.7	41.3			SMDJ45A-AU	SMDJ45CA-AU
	48	1	53.3	58.9	1	77.4	38.8	SMDJ48A	SMDJ48CA		
	48	5	53.3	58.9	1	77.4	38.8			SMDJ48A-AU	SMDJ48CA-AU
	51	1	56.7	62.7	1	82.4	36.4	SMDJ51A	SMDJ51CA		
	51	5	56.7	62.7	1	82.4	36.4			SMDJ51A-AU	SMDJ51CA-AU
	54	1	60	66.3	1	87.1	34.4	SMDJ54A	SMDJ54CA		
	54	5	60	66.3	1	87.1	34.4			SMDJ54A-AU	SMDJ54CA-AU
	58	1	64.4	71.2	1	93.6	32.1	SMDJ58A	SMDJ58CA		
	58	5	64.4	71.2	1	93.6	32.1			SMDJ58A-AU	SMDJ58CA-AU
	60	1	66.7	73.7	1	96.8	31	SMDJ60A	SMDJ60CA	SMDJ60A-AU	SMDJ60CA-AU
	64	1	71.1	78.6	1	103	29.1	SMDJ64A	SMDJ64CA	SMDJ64A-AU	SMDJ64CA-AU
	70	1	77.8	86	1	113	26.5	SMDJ70A	SMDJ70CA	SMDJ70A-AU	SMDJ70CA-AU
	75	1	83.3	92.1	1	121	24.8	SMDJ75A	SMDJ75CA	SMDJ75A-AU	SMDJ75CA-AU
	78	1	86.7	95.8	1	126	23.8	SMDJ78A	SMDJ78CA	SMDJ78A-AU	SMDJ78CA-AU
	85	1	94.4	104	1	137	21.9	SMDJ85A	SMDJ85CA	SMDJ85A-AU	SMDJ85CA-AU
	90	1	100	111	1	146	20.5	SMDJ90A	SMDJ90CA	SMDJ90A-AU	SMDJ90CA-AU
	100	1	111	123	1	162	18.5	SMDJ100A	SMDJ100CA	SMDJ100A-AU	SMDJ100CA-AU
	110	1	122	135	1	177	16.9	SMDJ110A	SMDJ110CA	SMDJ110A-AU	SMDJ110CA-AU
	120	1	133	147	1	193	15.5	SMDJ120A	SMDJ120CA	SMDJ120A-AU	SMDJ120CA-AU
	130	1	144	159	1	209	14.4	SMDJ130A	SMDJ130CA	SMDJ130A-AU	SMDJ130CA-AU
	150	1	167	185	1	243	12.3	SMDJ150A	SMDJ150CA	SMDJ150A-AU	SMDJ150CA-AU
	160	1	178	197	1	259	11.6	SMDJ160A	SMDJ160CA	SMDJ160A-AU	SMDJ160CA-AU
	170	1	189	209	1	275	10.9	SMDJ170A	SMDJ170CA	SMDJ170A-AU	SMDJ170CA-AU
	180	1	201	222	1	292	10.3	SMDJ180A	SMDJ180CA	SMDJ180A-AU	SMDJ180CA-AU
	190	1	211	234	1	307	9.7	SMDJ190A	SMDJ190CA	SMDJ190A-AU	SMDJ190CA-AU
	200	1	224	247	1	324	9.3	SMDJ200A	SMDJ200CA	SMDJ200A-AU	SMDJ200CA-AU
	210	1	233	258	1	337	8.8	SMDJ210A	SMDJ210CA	SMDJ210A-AU	SMDJ210CA-AU
	220	1	244	270	1	356	8.4	SMDJ220A	SMDJ220CA	SMDJ220A-AU	SMDJ220CA-AU
5000	11	5	12.2	13.5	10	18.2	275	5.0SMDJ11A	5.0SMDJ11CA		
	12	5	13.3	14.7	10	19.9	252	5.0SMDJ12A	5.0SMDJ12CA		
	13	5	14.4	15.9	10	21.5	233	5.0SMDJ13A	5.0SMDJ13CA		
	14	5	15.6	17.2	10	23.2	216	5.0SMDJ14A	5.0SMDJ14CA		
	15	5	16.7	18.5	1	24.4	205	5.0SMDJ15A	5.0SMDJ15CA		
	15	5	16.7	18.5	5	24.4	205			SM6P15A	SM6P15C
	16	5	17.8	19.7	1	26	193	5.0SMDJ16A	5.0SMDJ16CA		
	16	5	17.8	19.7	5	26	192			SM6P16A	SM6P16C
	17	5	18.9	20.9	1	27.6	181	5.0SMDJ17A	5.0SMDJ17CA		
	18	5	20	22.1	1	29.2	172	5.0SMDJ18A	5.0SMDJ18CA		
	18	5	20	22.1	5	29.2	171			SM6P18A	SM6P18C
20	5	22.2	24.5	1	32.4	155	5.0SMDJ20A	5.0SMDJ20CA			

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	20	5	22.2	24.5	5	32.4	154			SM6P20A	
	22	1	24.4	26.9	1	35.5	141	5.0SMDJ22A	5.0SMDJ22CA		
	22	5	24.4	26.9	5	35.5	141			SM6P22A	SM6P22C
	24	1	26.7	29.5	1	38.9	129	5.0SMDJ24A	5.0SMDJ24CA		
	24	5	26.7	29.5	5	38.9	129			SM6P24A	SM6P24C
	26	1	28.9	31.9	1	42.1	119	5.0SMDJ26A	5.0SMDJ26CA		
	26	5	28.9	31.9	5	42.1	119			SM6P26A	SM6P26C
	28	1	31.1	34.4	1	45.4	110	5.0SMDJ28A	5.0SMDJ28CA		
	28	5	31.1	34.4	5	45.4	110			SM6P28A	SM6P28C
	30	1	33.3	36.8	1	48.4	103	5.0SMDJ30A	5.0SMDJ30CA		
	30	5	33.3	36.8	5	48.4	103			SM6P30A	SM6P30C
	33	1	36.7	40.6	1	53.3	93.9	5.0SMDJ33A	5.0SMDJ33CA		
	33	5	36.7	40.6	5	53.3	94			SM6P33A	SM6P33C
	36	1	40	44.2	1	58.1	86.1	5.0SMDJ36A	5.0SMDJ36CA		
	36	5	40	44.2	5	58.1	86			SM6P36A	SM6P36C
	40	1	44.4	49.1	1	64.5	77.6	5.0SMDJ40A	5.0SMDJ40CA		
	40	5	44.4	49.1	5	64.5	78			SM6P40A	SM6P40C
	43	1	47.8	52.8	1	69.4	72.1	5.0SMDJ43A	5.0SMDJ43CA		
	43	5	47.8	52.8	5	69.4	72			SM6P43A	SM6P43C
	45	1	50	55.3	1	72.7	68.8	5.0SMDJ45A	5.0SMDJ45CA		
	48	1	53.3	58.9	1	77.4	64.7	5.0SMDJ48A	5.0SMDJ48CA		
	51	1	56.7	62.7	1	82.4	60.7	5.0SMDJ51A	5.0SMDJ51CA		
	54	1	60	66.3	1	87.1	57.5	5.0SMDJ54A	5.0SMDJ54CA		
	58	1	64.4	71.2	1	93.6	53.5	5.0SMDJ58A	5.0SMDJ58CA		
	60	1	66.7	73.7	1	96.8	51.7	5.0SMDJ60A	5.0SMDJ60CA		
	64	1	71.1	78.6	1	103	48.6	5.0SMDJ64A	5.0SMDJ64CA		
	70	1	77.8	86	1	113	44.3	5.0SMDJ70A	5.0SMDJ70CA		
	75	1	83.3	92.1	1	121	41.4	5.0SMDJ75A	5.0SMDJ75CA		
	78	1	86.7	95.8	1	126	39.7	5.0SMDJ78A	5.0SMDJ78CA		
	85	1	94.4	104	1	137	36.5	5.0SMDJ85A	5.0SMDJ85CA		
	90	1	100	111	1	146	34.3	5.0SMDJ90A	5.0SMDJ90CA		
	100	1	111	123	1	162	30.9	5.0SMDJ100A	5.0SMDJ100CA		
	110	1	122	135	1	177	28.3	5.0SMDJ110A	5.0SMDJ110CA		
	120	1	133	147	1	193	26	5.0SMDJ120A	5.0SMDJ120CA		
	130	1	144	159	1	209	24	5.0SMDJ130A	5.0SMDJ130CA		
	150	1	167	185	1	243	20.6	5.0SMDJ150A	5.0SMDJ150CA		
	160	1	178	197	1	259	19.3	5.0SMDJ160A	5.0SMDJ160CA		
	170	1	189	209	1	275	18.2	5.0SMDJ170A	5.0SMDJ170CA		
	180	1	201	222	1	292	17.1	5.0SMDJ180A	5.0SMDJ180CA		
	190	1	211	234	1	307	16.3	5.0SMDJ190A	5.0SMDJ190CA		
	200	1	224	247	1	324	15.4	5.0SMDJ200A	5.0SMDJ200CA		
	210	1	233	258	1	337	14.8	5.0SMDJ210A	5.0SMDJ210CA		
	220	1	246	272	1	356	14	5.0SMDJ220A	5.0SMDJ220CA		
	250	1	279	309	1	405	12.3	5.0SMDJ250A	5.0SMDJ250CA		
	300	1	335	371	1	486	10.3	5.0SMDJ300A	5.0SMDJ300CA		
	350	1	391	432	1	567	8.8	5.0SMDJ350A	5.0SMDJ350CA		
	400	1	447	494	1	648	7.72	5.0SMDJ400A	5.0SMDJ400CA		
	440	1	492	543	1	713	7.02	5.0SMDJ440A	5.0SMDJ440CA		
7000	24	1	26.7	29.5	1	34	180		5.0SMDJ24CAP		

Transient Voltage Suppressor (TVS)

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
	15	5	16.7	18.5	5	24.4	270	SMTJ15AT-8S	SMTJ15CAT-8S
	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
	18	5	20	22.1	5	29.2	226	SMTJ18AT-8S	SMTJ18CAT-8S
	20	5	22.2	24.5	5	32.4	204	SMTJ20AT-8S	SMTJ20CAT-8S
	22	5	24.4	26.9	5	35.5	186	SMTJ22AT-8S	SMTJ22CAT-8S
	24	5	26.7	29.5	5	38.9	170	SMTJ24AT-8S	SMTJ24CAT-8S
	26	5	28.9	31.9	5	42.1	157	SMTJ26AT-8S	SMTJ26CAT-8S
	27	5	30	33.2	5	43.8	150	SMTJ27AT-8S	SMTJ27CAT-8S
	28	5	31.1	34.4	5	45.4	145	SMTJ28AT-8S	SMTJ28CAT-8S
	30	5	33.3	36.8	5	48.4	136	SMTJ30AT-8S	SMTJ30CAT-8S
	33	5	36.7	40.6	5	53.3	124	SMTJ33AT-8S	SMTJ33CAT-8S
	36	5	40	44.2	5	58.1	114	SMTJ36AT-8S	SMTJ36CAT-8S
	40	5	44.4	49.1	5	64.5	102	SMTJ40AT-8S	SMTJ40CAT-8S
	43	5	47.8	52.8	5	69.4	95.1	SMTJ43AT-8S	SMTJ43CAT-8S

M Transient Voltage Suppressor (TVS)

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



M Transient Voltage Suppressor (TVS)

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]

SOD-123FL



TVS

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
	48	5	50	59	10	105	8/20μs	SMTJ48CAT-Z
	58	5	64	70	10	120	8/20μs	SMTJ58CAT-Z
	66	5	72	80	10	130	8/20μs	SMTJ66CAT-Z
	76	5	85	95	10	150	8/20μs	SMTJ76CAT-Z
	86	5	95	105	10	170	8/20μs	SMTJ86CAT-Z

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

TVS

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

Electro Static Discharge (ESD) Diode

ESD Diodes are specialized diodes used to protect sensitive electronic components from electrostatic discharge. ESD events can cause immediate damage or degrade the performance of electronic devices over time. ESD diodes are designed to respond quickly to ESD events by clamping the voltage spike and directing the excess energy to ground, thereby preventing it from reaching and damaging the protected device.

Small voltage clamping devices with fast response time.

Handles electrostatic voltage from 6kV to 30kV.

Can be customized from 2.8V-36V to meet customer requirement.

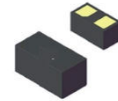
Parameter	Range	Unit
V_{BR_Max}	3.6 - 13.5	[V]
C_{J_Max}	0.2 - 18	[pF]
V_{C_Max}	8.5 - 23	[V]
I_{PP}	3.5 - 9	[A]
I_{R_Max}	0.05 - 3	[uA]



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_Max}	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) (1.2/50uA@20us@22C)	IPP (A) (1.2/50uA@20us@22C)	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	JEB24DF-AU
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_Max}	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) (1.2/50uA@20us@22C)	IPP (A) (1.2/50uA@20us@22C)	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_Max}	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) (1.2/50uA@20us@22C)	IPP (A) (1.2/50uA@20us@22C)	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	

Electro Static Discharge (ESD) Diode

Parameter	Range	Unit
V_{BR_Max}	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 (uA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50uA@20uS@20)	IPP (A) (1.2/50uA@20uS@20)	Product Name
2	6	0.5	5	5.6	0.8	15	5	JEU0522P

Parameter	Range	Unit
V_{BR_Max}	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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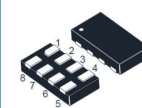


Channel	Pins	IR_Max (uA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50uA@20uS@20)	IPP (A) (1.2/50uA@20uS@20)	Product Name
4	10	0.1	3.3	3.7	5	16	25	JEU3K4DF
4	10	1	3.3	3.5	5	16	95	JEU3302N

Electro Static Discharge (ESD) Diode

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

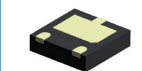
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Channel	Pins	IR_Max (uA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50uA@20uS@20)	IPP (A) (1.2/50uA@20uS@20)	Product Name
2	8	0.1	3.3	3.5	1	18	20	JEB3312T

Parameter	Range	Unit
V_{BR_Max}	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 (uA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50uA@20uS@20)	IPP (A) (1.2/50uA@20uS@20)	Product Name
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	12	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

Electro Static Discharge (ESD) Diode

Parameter	Range	Unit
V_{BR_Max}	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]

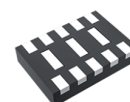
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Channel	Pins	IR_Max (uA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50uA@8/20uA@20)	IPP (A) (1.2/50uA@8/20uA@20)	Product Name	
								Industrial	Automotive
4	10	1	5	6	0.65	12	3.5	JEU0524P	JEU0524P-AU
4	10	0.5	5	6	0.65	13	4	JEU0524PA	
4	10	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_Max}	3	[V]
C_{J_Max}	4	[pF]
V_{C_Max}	15	[V]
I_{PP}	25	[A]
I_{R_Max}	1	[uA]

DFN3020-10L



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

Electro Static Discharge (ESD) Diode

Parameter	Range	Unit
V_{BR_Max}	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]

SOD-323



Channel	Pins	IR_Max (uA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50uA@8/20uA@20)	IPP (A) (1.2/50uA@8/20uA@20)	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	15	16	400	30	55	JEU15D3U	JEU15D3U-AU

M Electro Static Discharge (ESD) Diode

Parameter	Range	Unit
V_{BR_Max}	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]

SOD-523



Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs @20)	IPP (A) (1.2/50μs&8/20μs @20)	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	JEU36D5-AU
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	

M Electro Static Discharge (ESD) Diode

Parameter	Range	Unit
V_{BR_Max}	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]

SOP-8



Channel	Pins	IR_Max (μA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50μs&8/20μs @20)	IPP (A) (1.2/50μs&8/20μs @20)	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	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	

ESD

ESD

Electro Static Discharge (ESD) Diode

Parameter	Range	Unit
V_{BR_Max}	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]

SOT-143



Channel	Pins	IR_Max (uA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50uA@20uA@20)	IPP (A) (1.2/50uA@20uA@20)	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_Max}	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]

SOT-23



Channel	Pins	IR_Max (uA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50uA@20uA@20)	IPP (A) (1.2/50uA@20uA@20)	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	JEU36T2B-AU
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	JEB15T2B-AU
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	

Electro Static Discharge (ESD) Diode

Parameter	Range	Unit
V_{BR_Max}	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]

SOT-23-6L



Channel	Pins	IR_Max (uA)	VRWM_Max (V)	VBR_Max (V)	CJ_Max (pF)	VC_Max (V) (1.2/50uA@20uA@20)	IPP (A) (1.2/50uA@20uA@20)	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

Zener Diodes are designed to allow current to flow in the reverse direction when the applied voltage reaches a specified breakdown voltage, known as the Zener voltage. Unlike regular diodes, which block reverse current, Zener diodes are heavily doped to create a sharp and well-defined breakdown voltage. This property makes them useful for voltage regulation, where they can maintain a constant output voltage despite variations in the input voltage or load conditions. Zener diodes are widely used in power supplies, reference voltage sources, and surge protection circuits.

Power rating ranges from 0.5W-5W.

Voltage rating ranges from 2.4V to 200V.

Parameter	Range	Unit
P_D	1 - 2.5	[W]
V_{Z_Min}	4.85 - 190	[V]
V_{Z_Max}	5.36 - 210	[V]
I_{ZT}	1.9 - 92	[mA]
I_{R_Max}	1 - 20	[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	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
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

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	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	
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	
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	11.4	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
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

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	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	
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	0.5	[W]
V _{Z_Min}	2.5 - 42	[V]
V _{Z_Max}	2.9 - 46	[V]
I _{ZT}	2 - 5	[mA]
I _{R_Max}	0.1 - 20	[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
0.5	2.5	2.9	5	100	600	1	20	BZT52C2V7
0.5	2.8	3.2	5	95	600	1	10	BZT52C3V0
0.5	3.1	3.5	5	95	600	1	5	BZT52C3V3
0.5	3.4	3.8	5	90	600	1	5	BZT52C3V6
0.5	3.7	4.1	5	90	600	1	3	BZT52C3V9
0.5	4	4.6	5	90	600	1	3	BZT52C4V3
0.5	4.4	5	5	80	500	1	3	BZT52C4V7
0.5	4.8	5.4	5	60	480	1	2	BZT52C5V1
0.5	5.2	6	5	40	400	1	1	BZT52C5V6
0.5	5.8	6.6	5	10	150	1	3	BZT52C6V2
0.5	6.4	7.2	5	15	80	1	2	BZT52C6V8
0.5	7	7.9	5	15	80	1	1	BZT52C7V5
0.5	7.7	8.7	5	15	80	1	0.7	BZT52C8V2
0.5	8.5	9.6	5	15	100	1	0.5	BZT52C9V1
0.5	9.4	10.6	5	20	150	1	0.2	BZT52C10
0.5	10.4	11.6	5	20	150	1	0.1	BZT52C11
0.5	11.4	12.7	5	25	150	1	0.1	BZT52C12
0.5	12.4	14.1	5	30	170	1	0.1	BZT52C13
0.5	13.8	15.6	5	30	200	1	0.1	BZT52C15
0.5	15.3	17.1	5	40	200	1	0.1	BZT52C16
0.5	16.8	19.1	5	45	225	1	0.1	BZT52C18
0.5	18.8	21.2	5	55	225	1	0.1	BZT52C20
0.5	20.8	23.3	5	55	250	1	0.1	BZT52C22
0.5	22.8	25.6	5	70	250	1	0.1	BZT52C24
0.5	25.1	28.9	2	80	300	0.5	0.1	BZT52C27
0.5	28	32	2	80	300	0.5	0.1	BZT52C30
0.5	31	35	2	80	325	0.5	0.1	BZT52C33
0.5	34	38	2	90	350	0.5	0.1	BZT52C36
0.5	37	41	2	130	350	0.5	0.1	BZT52C39
0.5	40	46	5	100	700	1	0.1	BZT52C43

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	5	5.2	5	60	480	1	2	BZT52B5V1
0.2	5.49	5.71	5	40	400	1	1	BZT52B5V6
0.2	6.08	6.32	5	10	150	1	3	BZT52B6V2
0.2	6.66	6.94	5	15	80	1	2	BZT52B6V8
0.2	7.35	7.65	5	15	80	1	1	BZT52B7V5
0.2	8.04	8.36	5	15	80	1	0.7	BZT52B8V2
0.2	8.92	9.28	5	15	100	1	0.5	BZT52B9V1
0.2	9.8	10.2	5	20	150	1	0.2	BZT52B10
0.2	10.78	11.22	5	20	150	1	0.1	BZT52B11
0.2	11.76	12.24	5	25	150	1	0.1	BZT52B12
0.2	12.74	13.26	5	30	170	1	0.1	BZT52B13
0.2	14.7	15.3	5	30	200	1	0.1	BZT52B15
0.2	15.68	16.32	5	40	200	1	0.1	BZT52B16
0.2	17.64	18.36	5	45	225	1	0.1	BZT52B18
0.2	19.6	20.4	5	55	225	1	0.1	BZT52B20
0.2	21.56	22.44	5	55	250	1	0.1	BZT52B22
0.2	23.52	24.48	5	70	250	1	0.1	BZT52B24
0.2	26.46	27.54	2	80	300	0.5	0.1	BZT52B27
0.2	29.4	30.6	2	80	300	0.5	0.1	BZT52B30
0.2	32.34	33.66	2	80	325	0.5	0.1	BZT52B33
0.2	35.28	36.72	2	90	350	0.5	0.1	BZT52B36
0.2	38.22	39.78	2	130	350	0.5	0.1	BZT52B39
0.2	42.14	43.86	2	100	700	1	0.1	BZT52B43

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	[μA]

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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	Automotive
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	BZT52C4V7SAU
0.2	4.85	5.36	5	60	480	1	2	BZT52C5V1S	BZT52C5V1SAU
0.2	5.32	5.88	5	40	400	1	1	BZT52C5V6S	BZT52C5V6SAU
0.2	5.89	6.51	5	10	150	1	3	BZT52C6V2S	BZT52C6V2SAU
0.2	6.46	7.14	5	15	80	1	2	BZT52C6V8S	BZT52C6V8SAU
0.2	7.13	7.88	5	15	80	1	1	BZT52C7V5S	BZT52C7V5SAU
0.2	7.79	8.61	5	15	80	1	0.7	BZT52C8V2S	BZT52C8V2SAU
0.2	8.65	9.56	5	15	100	1	0.5	BZT52C9V1S	BZT52C9V1SAU
0.2	9.5	10.5	5	20	150	1	0.2	BZT52C10S	BZT52C10SAU
0.2	10.45	11.55	5	20	150	1	0.1	BZT52C11S	BZT52C11SAU
0.2	11.4	12.6	5	25	150	1	0.1	BZT52C12S	BZT52C12SAU
0.2	12.35	13.65	5	30	170	1	0.1	BZT52C13S	BZT52C13SAU
0.2	14.25	15.75	5	30	200	1	0.1	BZT52C15S	BZT52C15SAU
0.2	15.2	16.8	5	40	200	1	0.1	BZT52C16S	BZT52C16SAU
0.2	17.1	18.9	5	45	225	1	0.1	BZT52C18S	BZT52C18SAU
0.2	19	21	5	55	225	1	0.1	BZT52C20S	BZT52C20SAU
0.2	20.9	23.1	5	55	250	1	0.1	BZT52C22S	BZT52C22SAU
0.2	22.8	25.2	5	70	250	1	0.1	BZT52C24S	BZT52C24SAU
0.2	25.65	28.35	2	80	300	0.5	0.1	BZT52C27S	BZT52C27SAU
0.2	28.5	31.5	2	80	300	0.5	0.1	BZT52C30S	BZT52C30SAU
0.2	31.35	34.65	2	80	325	0.5	0.1	BZT52C33S	BZT52C33SAU
0.2	34.2	37.8	2	90	350	0.5	0.1	BZT52C36S	BZT52C36SAU
0.2	37.05	40.95	2	130	350	0.5	0.1	BZT52C39S	BZT52C39SAU
0.2	40.85	45.15	2	130	350	0.5	0.1	BZT52C43S	BZT52C43S AU

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
0.2	5	5.2	5	60	480	1	2	BZT52B5V1S	BZT52B5V1SAU
0.2	5.49	5.71	5	40	400	1	1	BZT52B5V6S	BZT52B5V6SAU
0.2	6.08	6.32	5	10	150	1	3	BZT52B6V2S	BZT52B6V2SAU
0.2	6.66	6.94	5	15	80	1	2	BZT52B6V8S	BZT52B6V8SAU
0.2	7.35	7.65	5	15	80	1	1	BZT52B7V5S	BZT52B7V5SAU
0.2	8.04	8.36	5	15	80	1	0.7	BZT52B8V2S	BZT52B8V2SAU
0.2	8.92	9.28	5	15	100	1	0.5	BZT52B9V1S	BZT52B9V1SAU
0.2	9.8	10.2	5	20	150	1	0.2	BZT52B10S	BZT52B10SAU
0.2	10.78	11.22	5	20	150	1	0.1	BZT52B11S	BZT52B11SAU
0.2	11.76	12.24	5	25	150	1	0.1	BZT52B12S	BZT52B12SAU
0.2	12.74	13.26	5	30	170	1	0.1	BZT52B13S	BZT52B13SAU
0.2	14.7	15.3	5	30	200	1	0.1	BZT52B15S	BZT52B15SAU
0.2	15.68	16.32	5	40	200	1	0.1	BZT52B16S	BZT52B16SAU
0.2	17.64	18.36	5	45	225	1	0.1	BZT52B18S	BZT52B18SAU
0.2	19.6	20.4	5	55	225	1	0.1	BZT52B20S	BZT52B20SAU
0.2	21.56	22.44	5	55	250	1	0.1	BZT52B22S	BZT52B22SAU
0.2	23.52	24.48	5	70	250	1	0.1	BZT52B24S	BZT52B24SAU
0.2	26.46	27.54	2	80	300	0.5	0.1	BZT52B27S	BZT52B27SAU
0.2	29.4	30.6	2	80	300	0.5	0.1	BZT52B30S	BZT52B30SAU
0.2	32.34	33.66	2	80	325	0.5	0.1	BZT52B33S	BZT52B33SAU
0.2	35.28	36.72	2	90	350	0.5	0.1	BZT52B36S	BZT52B36SAU
0.2	38.22	39.78	2	130	350	0.5	0.1	BZT52B39S	BZT52B39SAU
0.2	42.14	43.86	2	100	700	1	0.1	BZT52B43S	BZT52B43SAU

Zener Diode

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

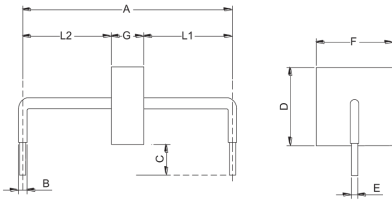
Parameter	Range	Unit
P_D	0.225 - 0.3	[W]
V_{Z_Min}	2.28 - 40.85	[V]
V_{Z_Max}	2.52 - 45.15	[V]
I_{ZT}	1 - 20	[mA]
I_{R_Max}	0.05 - 50	[uA]

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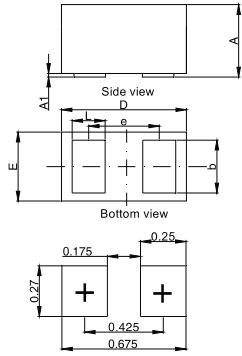
PD (W)	VZ_Min (Vns)	VZ_Max (V)	IZT (mA)	ZZT_Max (Ω)	ZZK_Max (Ω)	IZK (mA)	IR_Max (μA)	Product Name	
								Industrial	Automotive
0.3	2.28	2.52	5	100	600	1	50	BZX84C2V4	
0.3	2.57	2.84	5	100	600	1	20	BZX84C2V7	
0.3	2.85	3.15	5	95	600	1	10	BZX84C3V0	
0.3	3.14	3.47	5	95	600	1	5	BZX84C3V3	BZX84C3V3AU
0.3	3.42	3.78	5	90	600	1	5	BZX84C3V6	BZX84C3V6AU
0.3	3.71	4.1	5	90	600	1	3	BZX84C3V9	BZX84C3V9AU
0.3	4.09	4.52	5	90	600	1	3	BZX84C4V3	BZX84C4V3AU
0.3	4.47	4.94	5	80	500	1	3	BZX84C4V7	BZX84C4V7AU
0.3	4.85	5.36	5	60	480	1	2	BZX84C5V1	BZX84C5V1AU
0.3	5.32	5.88	5	40	400	1	1	BZX84C5V6	BZX84C5V6AU
0.3	5.89	6.51	5	10	150	1	3	BZX84C6V2	BZX84C6V2AU
0.3	6.46	7.14	5	15	80	1	2	BZX84C6V8	BZX84C6V8AU
0.3	7.13	7.88	5	15	80	1	1	BZX84C7V5	BZX84C7V5AU
0.3	7.79	8.61	5	15	80	1	0.7	BZX84C8V2	BZX84C8V2AU
0.3	8.65	9.56	5	15	100	1	0.5	BZX84C9V1	BZX84C9V1AU
0.3	9.5	10.5	5	20	150	1	0.2	BZX84C10	BZX84C10AU
0.3	10.45	11.55	5	20	150	1	0.1	BZX84C11	BZX84C11AU
0.3	11.4	12.6	5	25	150	1	0.1	BZX84C12	BZX84C12AU
0.3	12.35	13.65	5	30	170	1	0.1	BZX84C13	BZX84C13AU
0.3	14.25	15.75	5	30	200	1	0.1	BZX84C15	BZX84C15AU
0.3	15.2	16.8	5	40	200	1	0.1	BZX84C16	BZX84C16AU
0.3	17.1	18.9	5	45	225	1	0.1	BZX84C18	BZX84C18AU
0.3	19	21	5	55	225	1	0.1	BZX84C20	BZX84C20AU
0.3	20.9	23.1	5	55	250	1	0.1	BZX84C22	BZX84C22AU
0.3	22.8	25.2	5	70	250	1	0.1	BZX84C24	BZX84C24AU
0.3	25.65	28.35	2	80	300	0.5	0.1	BZX84C27	BZX84C27AU
0.3	28.5	31.5	2	80	300	0.5	0.1	BZX84C30	BZX84C30AU
0.3	31.35	34.65	2	80	325	0.5	0.1	BZX84C33	BZX84C33AU
0.3	34.2	37.8	2	90	350	0.5	0.1	BZX84C36	BZX84C36AU
0.3	37.05	40.95	2	130	350	0.5	0.1	BZX84C39	BZX84C39AU
0.3	40.85	45.15	2	100	700	1	0.1	BZX84C43	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

AKS

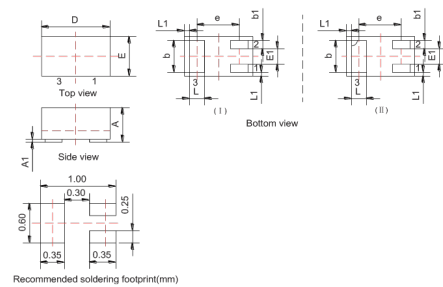


Symbol	Dimensions	
	Inches	Millimeters
A	0.951±0.039	24.15±1.00
B	0.094±0.024	2.40±0.60
C	0.236±0.039	6.00±1.00
D	0.570max	14.48max
E	0.050±0.002	1.27±0.05
F	0.500max	12.70max
G	076C	0.169±0.047
	380C to 430C	0.287±0.047
L1/L2	L1=L2 tolerances±0.047inch(±1.20 mm)	

DFN0603-2L

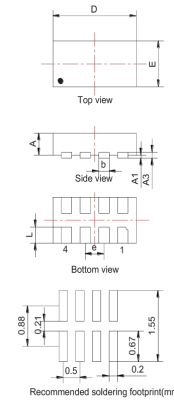


DFN1006-3L



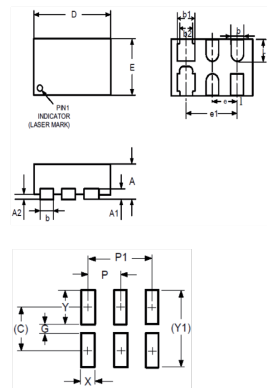
Symbol	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	0.41	0.48	0.51	0.016	0.019	0.020
A1	0.00	0.02	0.05	0.000	0.001	0.002
b	0.45	0.50	0.55	0.018	0.020	0.022
b1	0.10	0.15	0.20	0.004	0.006	0.008
D	0.95	1.00	1.05	0.037	0.039	0.041
e	0.65BSC			0.026BSC		
E	0.55	0.60	0.65	0.022	0.024	0.026
E1	0.15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

DFN2010-8L



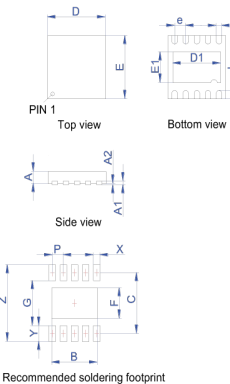
Symbol	Millimeters			Inches		
	Min	Typ	Max	Min	Typ	Max
A	0.46	0.48	0.51	0.018	0.019	0.020
A1	0.00	0.002	0.05	0.000	0.000	0.002
A3	0.127typ.			0.005 typ.		
b	0.20	0.20	0.30	0.008	0.008	0.012
D	1.90	2.00	2.10	0.075	0.079	0.083
E	0.90	1.00	1.10	0.035	0.039	0.043
e	0.50typ.			0.020typ.		
L	0.32	0.36	0.43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

DFN1610-6L



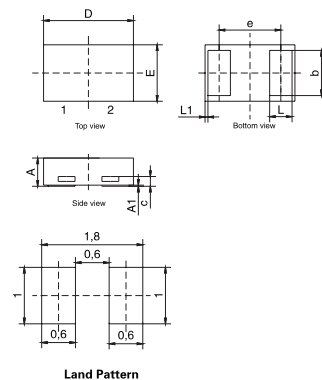
Symbol	Millimeters		Inches	
	Min.	Max.	Min.	Max.
D	1.55	1.65	0.061	0.065
E	0.95	1.05	0.037	0.041
L	0.33	0.43	0.013	0.017
b	0.15	0.25	0.006	0.010
b1	0.35	0.45	0.014	0.018
b2	0.25	0.35	0.010	0.014
e	0.50BSC		0.020BSC	
e1	1.00BSC		0.039BSC	
A	0.45	0.55	0.018	0.022
A1	0.15REF		0.006REF	
A2	0.00	0.05	0.000	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	

DFN2.6x2.6-10L



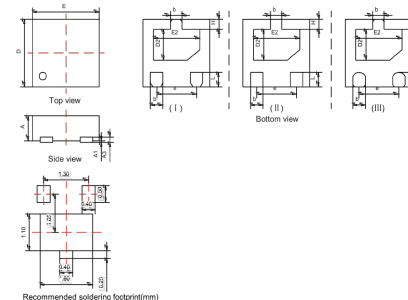
Symbol	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
D	2.55	2.60	2.65	0.100	0.102	0.104
E	2.55	2.60	2.65	0.100	0.102	0.104
D1	2.10	2.15	2.20	0.083	0.085	0.087
E1	1.21	1.26	1.31	0.048	0.050	0.052
L	0.30	0.35	0.40	0.012	0.014	0.016
b	0.20	0.25	0.30	0.008	0.010	0.012
e	0.50BSC			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			

DFN1610-2L



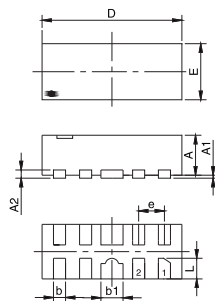
Symbol	Millimeter		
	Min.	Typ.	Max.
A	0.45	0.50	0.55
A1	0.00	0.02	0.05
b	0.85	0.90	0.95
c	0.08	0.12	0.18
D	1.55	1.60	1.65
e	1.1BSC		
E	0.95	1.00	1.05
L	0.35	0.40	0.45
L1	0.06BSC		

DFN22-3L



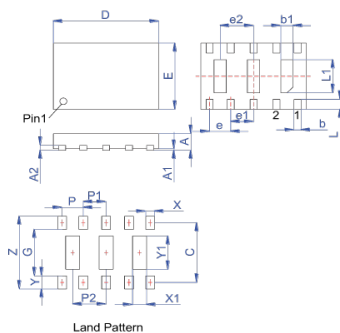
Symbol	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	0.45	0.50	0.60	0.018	0.020	0.024
A1	0.00	0.02	0.05	0.000	0.001	0.002
A3	0.15REF			0.006REF		
b	0.25	0.30	0.35	0.010	0.012	0.014
D	1.90	2.00	2.10	0.075	0.079	0.083
E	1.90	2.00	2.10	0.075	0.079	0.083
D2	0.85	1.05	1.15	0.033	0.041	0.045
E2	1.40	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

PACKAGEMECHANICALDATA



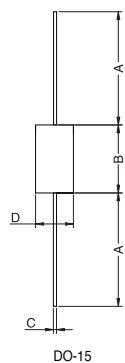
Symbol	Millimeter		Inches	
	Min.	Max.	Min.	Max.
A	0.50	0.65	0.020	0.026
A1	0.00	0.05	0.000	0.002
A2	0.13REF.		0.005REF.	
b	0.15	0.25	0.006	0.010
b1	0.35	0.45	0.014	0.018
D	2.40	2.60	0.094	0.102
E	0.90	1.10	0.035	0.043
e	0.50BSC		0.020BSC	
L	0.30	0.425	0.012	0.017

DFN3020-10L



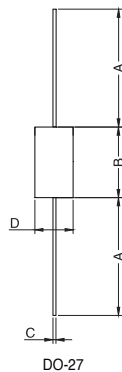
Symbol	Millimeters			Inches		
	Min.	Type	Max.	Min.	Type	Max.
D	2.95	3.00	3.05	0.116	0.118	0.120
E	1.95	2.00	2.05	0.077	0.079	0.081
A	0.45	0.50	0.55	0.018	0.020	0.022
A1	0.00	0.02	0.05	0.000	0.001	0.002
A2	0.00	0.05	0.10	0.000	0.002	0.004
b	0.15	0.20	0.25	0.006	0.008	0.010
B	0.30	0.35	0.40	0.012	0.014	0.016
e	0.0080SC			0.0248SC		
e1	0.0085SC			0.0269SC		
e2	0.0085SC			0.0376SC		
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	0.60			0.026		
P2	0.95			0.037		
X	0.25			0.010		
X1	0.40			0.016		
Y	1.00			0.039		
Y1	1.00			0.040		
Z	2.20			0.087		

DO-15



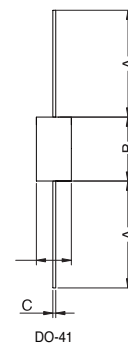
Ref.	Dimensions			
	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	1.000	—	25.40	—
B	0.228	0.300	5.80	7.62
C	0.022	0.035	0.56	0.89
D	0.102	0.142	2.60	3.60

DO-27



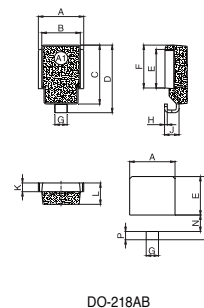
Ref.	Dimensions			
	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	1.000	–	25.40	–
B	0.283	0.378	7.20	9.60
C	0.038	0.047	0.96	1.20
D	0.189	0.213	4.80	5.40

DO-41



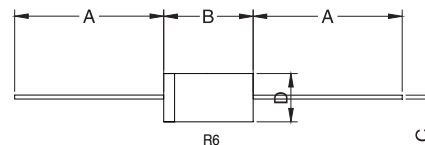
Ref.	Dimensions			
	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	1.000	—	25.40	—
B	0.193	0.209	4.90	5.30
C	0.027	0.035	0.69	0.89
D	0.095	0.110	2.40	2.80

DO-218AB



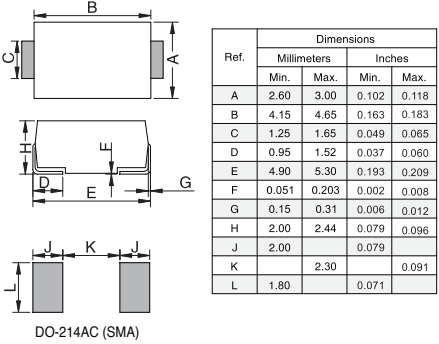
Ref.	Dimensions			
	Millimeters		Inches	
	Mln.	Max.	Mln.	Max.
A	9.5	10.5	0.374	0.413
B	8.3	8.7	0.327	0.343
C	13.3	13.7	0.524	0.539
D	15.0	16.0	0.592	0.629
E	8.5	9.1	0.335	0.358
F	9.5	10.1	0.374	0.398
G	2.4	3.0	0.094	0.118
H	0.5	0.7	0.020	0.028
J	2.7	3.7	0.106	0.146
K	1.9	2.1	0.075	0.083
L	4.7	5.1	0.185	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

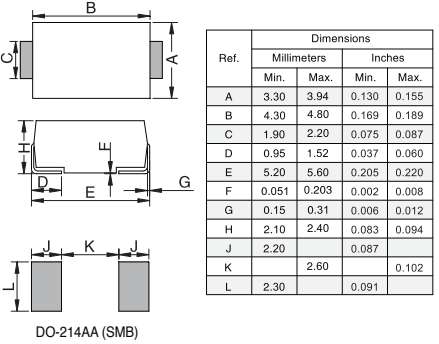


Ref.	Dimensions			
	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	1.000	—	25.40	—
B	0.339	0.370	8.60	9.40
C	0.047	0.055	1.20	1.40
D	0.339	0.358	8.60	9.10

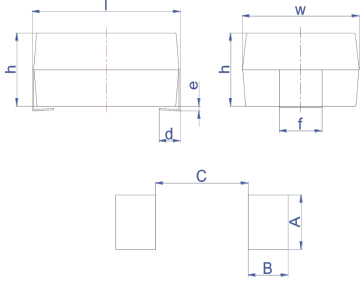
SMA



SMB



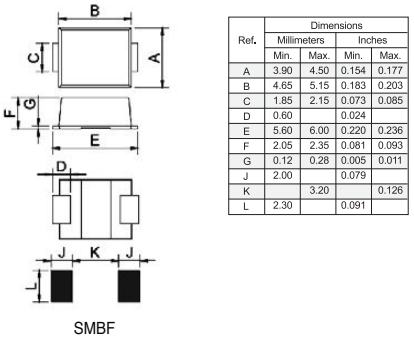
SMT



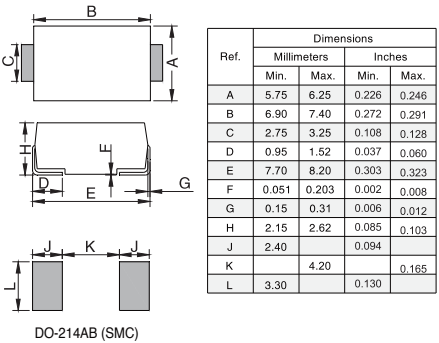
Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
I	10.20		11.00	0.402		0.433
w	7.90		8.50	0.311		0.335
h	4.40		5.00	0.173		0.197
d	1.20		1.80	0.047		0.071
e	0		0.30	0		0.012
f	2.70		3.30	0.106		0.130
A		3.50			0.138	
B		2.80			0.110	
C		6.50			0.256	

Recommended solder pad layout

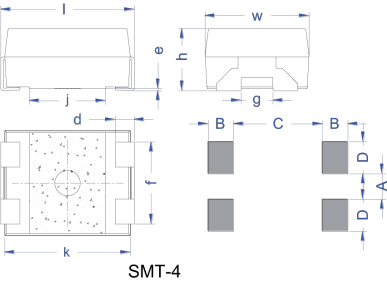
SMBF



SMC

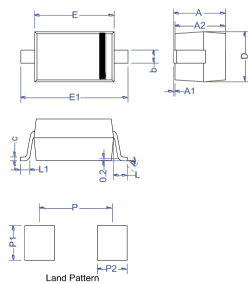


SMT-4



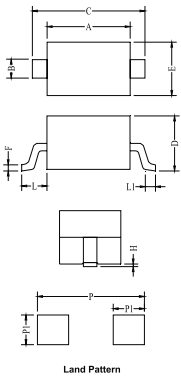
Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
I	10.10		10.70	0.398		0.421
w	7.70		8.30	0.303		0.327
h	4.20		5.00	0.165		0.197
d	1.20		1.80	0.047		0.071
e	0		0.30	0		0.012
f	6.20		6.60	0.244		0.260
g	2.40		2.60	0.094		0.102
j	5.90		6.10	0.232		0.240
k	9.70		10.1	0.382		0.398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

SOD-123



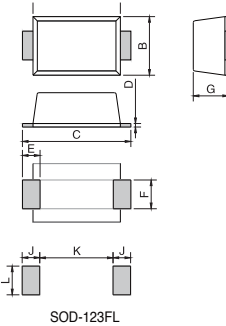
Symbol	Millimeters		Inches	
	Min	Max	Min	Max
A	1.05	1.25	0.041	0.049
A1	0.00	0.10	0.000	0.004
A2	1.05	1.15	0.041	0.045
b	0.45	0.65	0.018	0.026
c	0.08	0.15	0.003	0.006
D	1.50	1.70	0.059	0.067
E	2.60	2.80	0.102	0.110
E1	3.55	3.85	0.140	0.152
L	0.50REF.		0.020 REF.	
L1	0.25	0.45	0.010	0.018
θ	0°	8°	0°	8°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

SOD-323



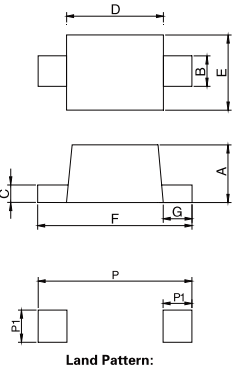
Symbol	Millimeter		Inches	
	Min	Max	Min	Max
A	1.60	1.80	0.063	0.071
B	0.25	0.35	0.010	0.014
C	2.50	2.70	0.098	0.106
D	0.00	1.00	0.000	0.039
E	1.20	1.40	0.047	0.055
F	0.08	0.15	0.003	0.006
L	0.475REF.		0.019REF.	
L1	0.25	0.40	0.010	0.016
H	0.00	0.10	0.000	0.004
P	3.00		0.118	
P1	0.80		0.031	

SOD-123FL



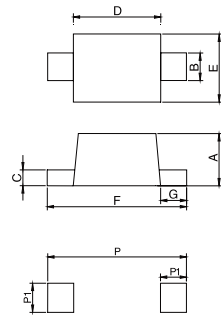
Ref.	Dimensions			
	Min.	Max.	Min.	Max.
A	2.60	3.00	0.102	0.118
B	1.60	2.00	0.063	0.079
C	3.45	3.95	0.136	0.156
D	0.10	0.25	0.004	0.01
E	0.3	0.9	0.012	0.035
F	0.80	1.20	0.031	0.047
G	0.95	1.35	0.037	0.053
J	1.30		0.051	
K		1.70		0.067
L	1.30		0.051	

SOD-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	

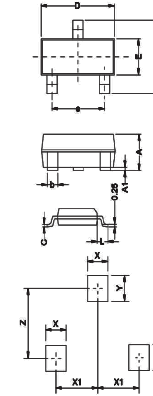
SOD-923



Land Pattern

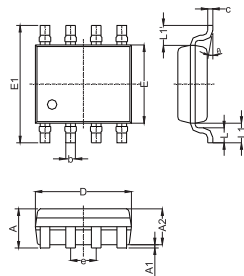
Symbol	Millimeter		Inches	
	Min	Max	Min	Max
A	0.36	0.43	0.014	0.017
B	0.15	0.25	0.006	0.010
C	0.07	0.17	0.003	0.007
D	0.75	0.85	0.030	0.033
E	0.55	0.65	0.026	0.028
F	0.95	1.05	0.037	0.041
G	0.05	0.15	0.002	0.006
P1	0.40		0.016	
P	0.9		0.036	

SOT-23



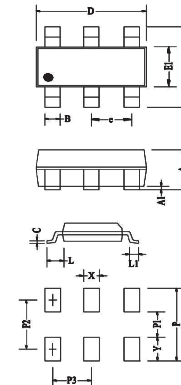
Symbol	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	0.90	1.063	1.15	0.035	0.042	0.045
A1	0.00	0.075	0.14	0.000	0.003	0.006
b	0.30	0.40	0.50	0.012	0.016	0.020
C	0.07	0.10	0.15	0.003	0.004	0.006
D	2.80	2.90	3.00	0.110	0.114	0.118
e	1.80	1.90	2.00	0.071	0.075	0.079
E	1.20	1.30	1.40	0.047	0.051	0.055
L	0.55REF			0.022REF		
Hb	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		

SOP-8



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
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
ø	0±		8±	0±		8±

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		