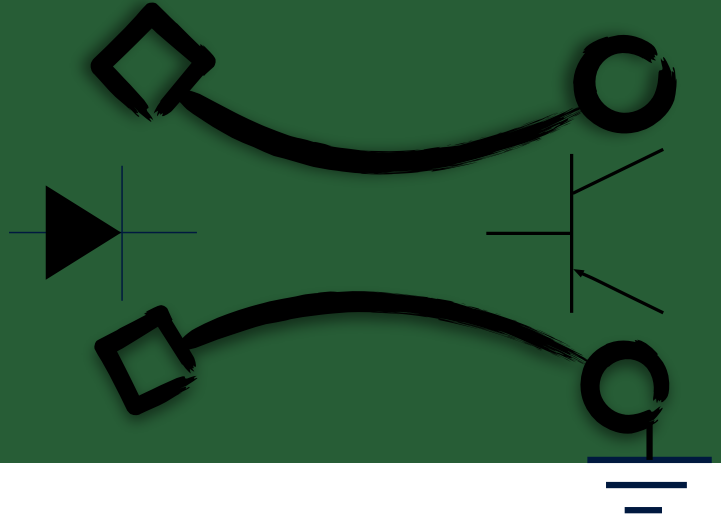


Bruckewell Technology Corp., Ltd.

Your Best Partner
Discrete Semiconductor



Product Catalogue

2015 version

bruckewell-semi.com

Diode/ Rectifier

MOSFET

TVS/ ESD Protector

Company Profile

Bruckewell technology corp. registered in Delaware, USA and total capital is 3million USD. Began its business on semiconductor material electronic components in San Jose, California. In 2007, semiconductor division founded in Taiwan for discrete semiconductor wafer design and our own branded products provide. Now, our semiconductor operation center is formally located in Taiwan and major products include Schottky diode/ rectifier, TVS/ ESD protection diode, small signal diode/ transistor and MOSFET...etc. Bruckewell never ceased the research and development for new products. We are confident in providing the highest.

Mission and Vision

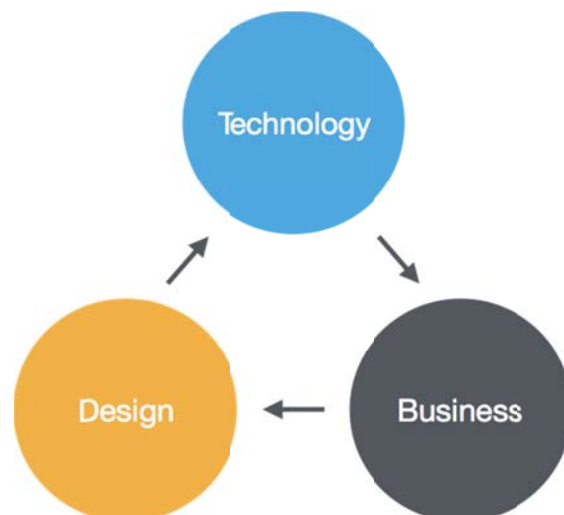
To satisfy customers while achieving sound growth with technological products of innovative design, superior quality. We commit ourselves to excellence, create the exceptional value for our customers and partners

LOGO Significance

Bruckewell comes from the German "Brücke", meaning "bridge" and English "well"
To become synonymous with technical innovation and timely marketing partner
The green leaf symbol reflects taking an active part in health & safety and protecting the environment as our responsibility

Quality Policy

Our goal is to exceed the quality expectations of our customers.
It is achieved through innovation, technical excellence and continuous improvement.



INDEX OF SYMBOLS

CJ	Junction capacitance	QGD.....	gate-drain charge
IF.....	DC forward current	R2JM	Thermal resistance (junction to mount)
IF(AV)	Average forward rectified current	S	Softness factor
ID	Stand-off reverse leakage current	TA	Ambient temperature
IFSM.....	Peak forward surge current	TC	Case temperature
IO	Main forward current	td	Time duration
IR	Reverse leakage current	tfr	Forward recovery time
IPPM	Maximum peak impulse current I	TJ	Junction temperature
RM(REC)...	Maximum peak reverse recovery current	TL	Lead temperature
IRSM	Maximum non-repetitive reverse peak current	TM	Mount temperature
IT.....	On-state test current	tr.....	Reverse recovery time
I2t.....	Rating for fusing	TS, TSTG ...	Storage temperature
PM(AV)	Maximum steady state power dissipation	VBR	Reverse breakdown voltage
PPM.....	Peak pulse power dissipation	VF.....	Instantaneous forward voltage
Ptot, PD....	Total power dissipation	VFP.....	Peak forward voltage
Qrr.....	Recovered charge	VDC, VR	DC reverse voltage
R2JA	Thermal resistance (junction to ambient)	VRMS	RMS input voltage
R2JC	Thermal resistance (junction to case)	VRRM	Peak repetitive reverse voltage
R2JL	Thermal resistance (junction to lead)	VRWM	Working peak reverse voltage
VC	Clamping voltage	IPPM	Maximum peak impulse current
VWM	Working stand-off voltage	IRSM ..	Maximum non-repetitive reverse peak current
VZ.....	Zener voltage	IT.....	On-state test current
ZZ.....	Dynamic Zener impedance ZZK	I2t.....	Rating for fusing
	Zener impedance at IZK	IZ.....	Zener current
	ZZT	IZT	Zener test current
	Zener impedance at IZT	IzM	Maximum Zener current
VDS...drain-source voltage		rzej	Dynamic series resistance
VGS...gate-source voltage		Ciss.....	input capacitance
ID...drain current		Coss.....	output capacitance
IDM...peak drain current		Crss.....	reverse transfer capacitance
V(BR)DSS...drain-source breakdown voltage		td(on).....	turn-on delay time
VGSt.....gate-source threshold voltage		tr.....	rise time
IDSS.....drain leakage current		td(off).....	turn-off delay time
IGSS.....gate leakage current		tf.....	fall time
RDSon.....drain-source on-state resistance		VSD.....	source-drain voltage
QG(tot).....total gate charge			
QGS.....gate-source charge			

Discrete product list



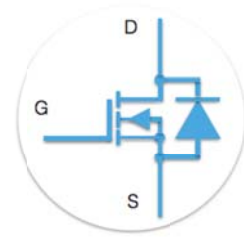
BARE WAFER/DIE

diode/ MOSFET/ TVS/Zener



DIODE/ RECTIFIER

Standard/Fast/ Schottky



MOSFET

20-900V N/P MOSFET



ESD PROTECTOR

Low Cj, high power



TVS/ ZENER

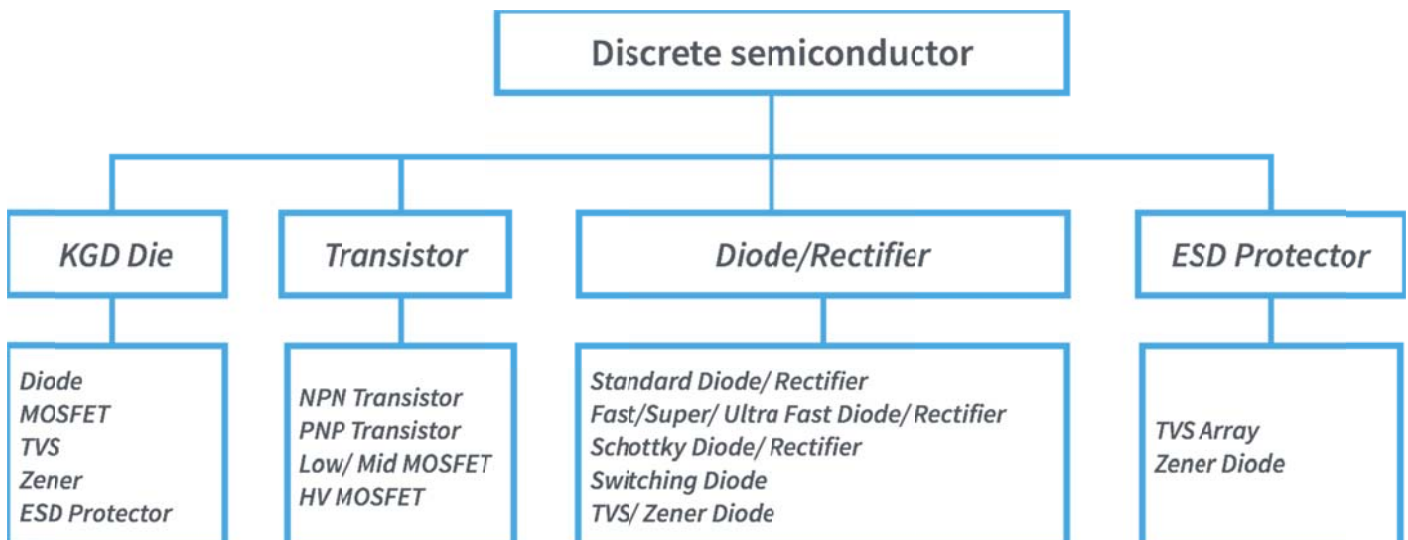
200W-5KW Uni/ Bi-Dir TVS
0.2W-10W Zener



BIPOLAR TRANSISTOR

PNP/ NPN transistors

Product tree



New Product

Transient voltage suppressors (TVS)

600W Series TVS Surface-Mount Flat SMA

SMAF series TVS devices offer a high surge capability to 600 W at 10/1000 μ s and 4 kW at 8/20 μ s, and excellent clamping capability



Applications

Consumer, computer, industrial, and telecommunication applications Typical end products include hard disks, hot swap computer and telecom cards, and slim LCD TVs and monitors

600W Surface-mount TVS in the SMA-Flat package are 30 % smaller than traditional SMB devices, the footprint compatible with SMAJ and offer 50 % higher surge capability at 10/1000 μ s. In addition, the SMAF series' low clamping voltages are 3 % to 5 % lower than current TVS devices in the SMB package. With their compact size, SMAF TVS are designed to protect sensitive electronics against voltage transients induced by inductive load switching and lightning in space-constrained consumer, computer, industrial, and telecommunication applications.

FEATURES

SMA-Flat DO-221AC package, Low profile of 1.0 mm

High surge capability, 600 W at 10/1000 μ s, 4 kW at 8/20 μ s

Low clamping voltages, Stand-off voltages from 6.5 V to 48 V

Temperature range from - 55 °C to + 175 °C

ESD capability of 15 kV (air) and 8 kV (contact) in accordance to IEC 61000-4-2 Level 4

Meet the MSL Level 1 standard, per -STD-020, LF maximum peak of 260 °C

Ideal for automated placement

		Competitor			Existing
Brand	Bruckewell	ST-Micro	Vishay	NXP	Industry
Part#	SMAF	SMA6F	SMA6F	PTVSxP1UP	SMBJXXA
VRM	6.5V thru 48V	5V, 12V, 13V	5V thru 20V	3.3 V thru 64V	5.0V thru 170V
Package	SMA-Flat	SMA-Flat	SlimSMA	SOD-128	SMB
Tj	175°C	175°C	175°C	150°C	150°C

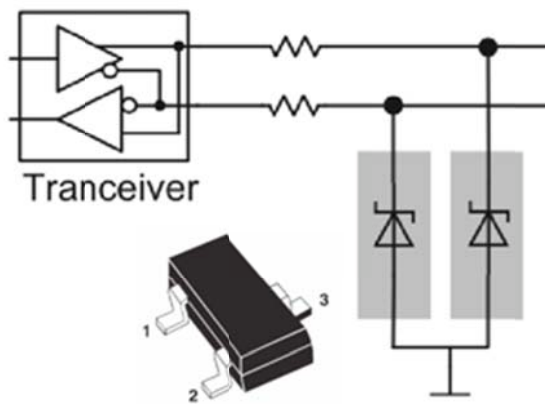
New Product

ESOTxxC

Dual 400W Transient Voltage Suppressors Array

Electrostatic discharge (ESD) is a major cause of failure in electronic systems. Transient Voltage Suppressors (TVS) are an ideal choice for ESD protection. They are capable of clamping the incoming transient to a low enough level such that damage to the protected semiconductor is prevented. Surface mount TVS arrays offer the best choice for minimal lead inductance. They serve as parallel protection elements, connected between the signal line to ground. As the transient rises above the operating voltage of the device, the TVS array becomes a low impedance path diverting the transient current to ground. The ESOTxxC array is the ideal board level protection of ESD sensitive semiconductor components.

VRRM (V) on
3.3V, 5.0V, 12.0V, 15.0V, 24V
are available



FEATURES

- 2 Unidirectional Transil functions
- Low leakage current: $I_R \max < 20\mu A$ at VRM
- 400W peak pulse power(8/20 μ s)
- Transient protection for data lines as per MIL STD 883E - Method 3015-7 Class 3
- 25 kV HBM

APPLICATIONS

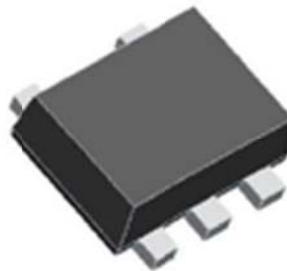
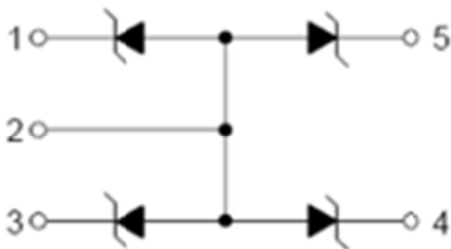
- Computers
- Printers
- Communication systems
- Point-of-Sale Terminals
- Motor Controls
- Legacy Ports, (RS-232, RS-485)
- Security and Alarm Systems

ESEMFxxxLC SERIES

Low Capacitance Quad Array for ESD Protection

General Description

This integrated transient voltage suppressor device (TVS) is designed for applications requiring transient over voltage protection, printers, business machines, communication systems, medical equipment, and other applications. Its integrated design provides very effective and reliable protection for separate lines using only one package. These devices are ideal for situations where board space is at a premium.



SOT-523

Features

Four Separate Unidirectional Configurations for Protection

Low Leakage Current < 1 μ A @ 3Volts

Power Dissipation: 380mW

Small SOT-553 SMT Package

Low Capacitance

Complies to USB 1.1 Low Speed & Speed Specifications

These are Pb-Free Devices

Electrical Characteristics							
Part Numbers	V_{BR}			I_T	V_{RWM}	I_R	C
	Min.	Typ.	Max.				Typ. 0v bias
	V	V	V	mA	V	μ A	pF
ESEMF3V3LC	5.3	5.6	5.9	1	3.0	1.0	12
ESEMF05LC	6.1	6.8	7.2	1	5.0	1.0	8
ESEMF12LC	11.4	12	12.7	5	9.0	1.0	7

80V SMD Power Schottky Diodes

In many power applications, traditionally design engineers used 100 V power Schottky diodes for secondary rectification due to the availability of a larger number of sources.

Now you have better option, especially on new Energy Star requirements require higher efficiency in markets that don't want to pay for it.

Bruckewell offer the new generation lower VF 80 V Schottky diodes can replace these 100 V Schottkies, providing lower Vf with associated efficiency gains, and lower costs.

We are ready to support these markets with a range of 10 A to 20 A, 80 V power Schottky diodes, in TO-277, DFN3P3 thin package < 1.0mm

Part#	VF@5A	VF@iF (V)	IF (A)	IR@VR	Package
SD10PU80	0.51V	0.61V	10A	50uA	DFN 3.3
SS10PU80	0.51V	0.61V	10A	50uA	TO-277B
SS20PU80	0.46V	0.67V	20A	50uA	TO-277B

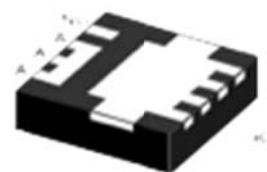
FEATURES

lower voltage drop

low leakage current

Thin SMD package

Available in Halogen-free packages

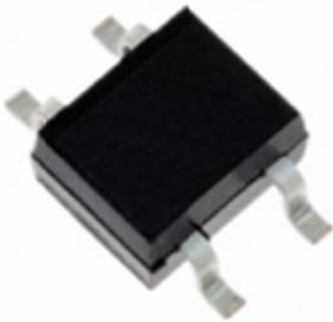


MBS/ABS Thin Bridge Series
Ultra Low VF Schottky Bridge Rectifier

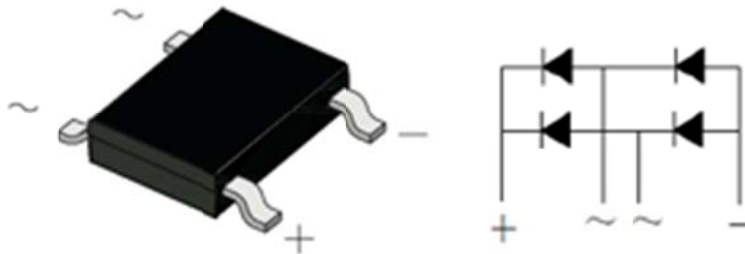
FEATURES

- Ideal for printed circuit board
- Reliable low cost construction technique results in inexpensive product
- High temperature soldering guaranteed
- Low forward voltage drop
- Low power loss, high efficiency

MBS package

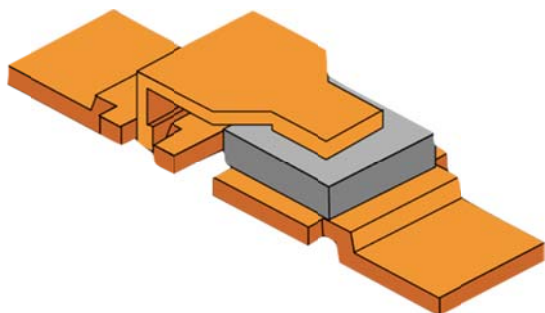


ABS package



	MDB26S	MDB26	MAB46
IF(A)	2A	2A	4A
VB (V)	60V	60V	60V
VF@IF, Tj=25°C	0.65V	0.50V	0.60V
RθJA	85 °C/W	85 °C/W	75 °C/W

SOD123FL/ST new Package



The SOD123FL and SOD123ST package is designed to:

Fit SOD123 foot print (JEDEC DO219) and package height < 1.0mm

Unique backside heat sink provides optimum power efficiency

The SOD123FL and SOD123ST Delivers:

- Same footprint as industry standard SOD123 with 45% lower package height
- 32% more power/board area than SOD123
- 14% more power/board area than PowermiteR
- 86% more power/board area than SMAFrom

Product	Spec	Trr	P/N
Schottky	1~3 A/40~200V	<15ns	SD1XXX
Ultra Low VF Schottky	1-3A/40V-60V	<15ns	SD3U40ST SD
General Rectifier	1A 1000V	—	GS1010FL Series
Fast Rectifier	1A 50V-1000V	500ns	RS1010F Series
Ultra Fast Rectifier	1A 50V-1000V	50-75ns	US1010FL Sereis
Super Fast Rectifier	1A 50V-1000V	35ns	ES1010FL Series

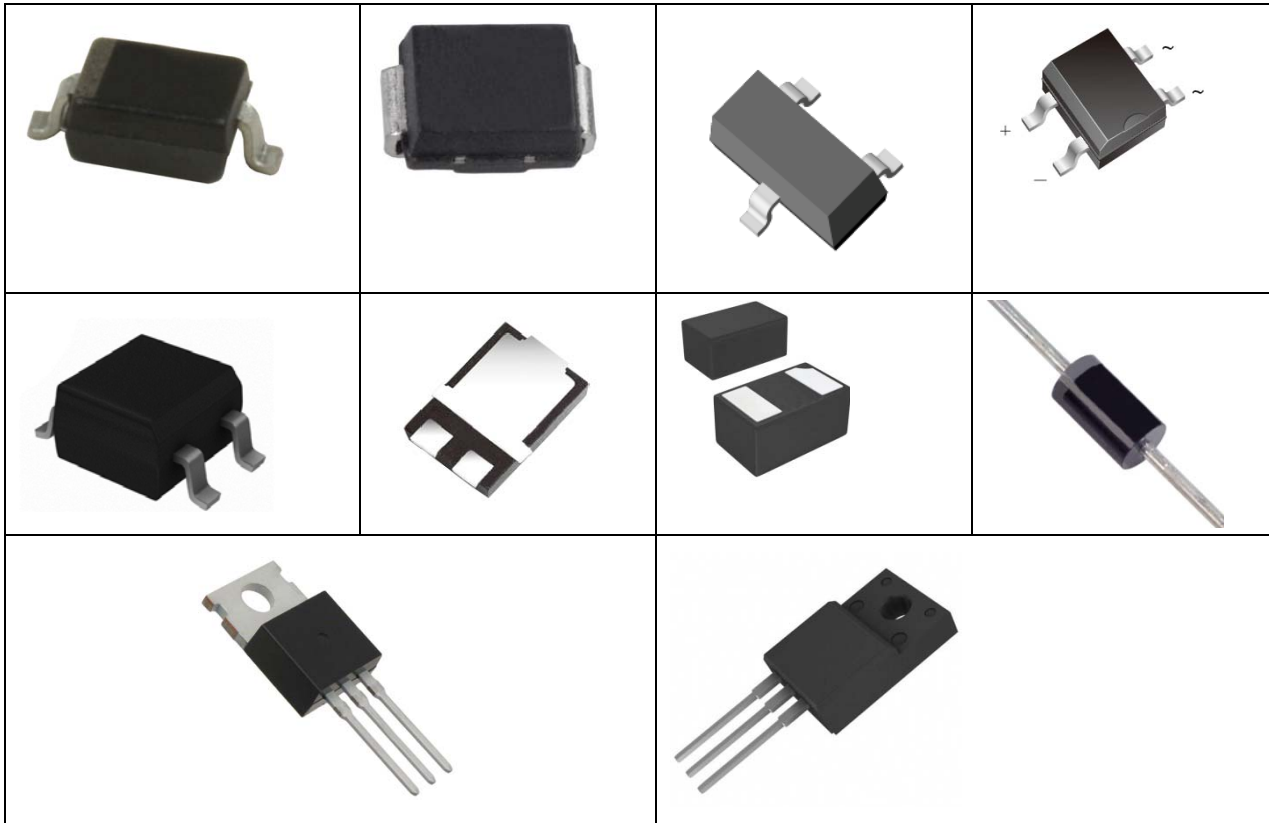
TABLE OF CONTENT

● Selection Guide	1
● Diode/ Rectifier	
➤ Standard ,Fast recovery diode.....	16
➤ Schottky diodes.....	21
➤ Small Signal Switching Diodes.....	30
➤ Zener Diode.....	31
➤ Bridge Rectifiers.....	50
● TVS/ESD/EMI	
➤ Transient Voltage Suppressor.....	57
➤ ESD/ EMI Protector.....	95
● Transistors	
➤ Transistors.....	97
➤ Digital Transistors.....	99
● MOSFETs	
➤ MOSFETs.....	100
➤ HV MOSFETs.....	101
● Power Management Drive	
➤ LED drivers.....	104
● Suggested Pad Layouts	106

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

Product Selection Guide



Specifications are subject to change without notice.

The data indicated herein describe types of components and shall not be considered as assured characteristics.

The products listed in this catalog are not recommended for use in life support systems where a failure or malfunction of the component may directly threaten life or cause injury.

The user of products in such applications shall assume all risks of such use and will agree to hold Bruckewell Technology Corp and all the companies whose products are represented in this catalog, harmless against all damages.

© 2015 Bruckewell Technology Corp.

All Rights Reserved.

Specifications subject to change without notice.

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

SMD Diode

Amp	Family / Package	SOD-123	SOD-123FL	SOD-123S	SMA
0.7	Standard	RS07B-M			
1	Standard		SOD4001-7	GS1010FL	1SR154 M1-7
	Fast		SUF140L SUF160L	RS1010F, ES1000FL-1006FL	US1A-M ES1A-J
1.2	Fast			RS1010FS	
1.5	Standard		GROA-M		
2	Fast				MURS220A-240A, SUF205A

SMD Diode

Amp	Family / Package	SMB	SMC	TO-277A/B
2	Fast	US2A-M, ES2B-J MURS220-260B		
3	Standard		S3A-M	
	Fast	MURS320B-360B	MURS320-360	
5	Fast		SUF501C-505C	UFP560

Axial Diode

Amp	Family / Package	R-1	DO-41	DO-15	DO-201AD	R-6
1	Standard	1N4001-7S	1N4001-7 EM513.516,518			
2	Fast			SF21-28		
3	Fast				FR301G-307G	
	Schottky				SB315	
4	Fast				UF460	
5	Fast				FR501-507 SF51-59 UF560	
	Schottky				SB52-56, SB510UL	
15	Schottky					15SQ030-100

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

Power Pack Diode

Amp	Family / Package	TO-252	ITO-220AC	IT-220AB
6	Schottky	MBRD6100CT		
8	Fast		MUR860FS	
10	Fast		SF1020F	MURF1020CT-40CT MURF1060S
16	Fast			MURF1605CT-60CT
20	Schottky			MBRF2020CT,200CT MBRF20L45CT, TMBRF20150CT
30	Fast			
	Schottky			MBRF3020CT-200CT SBLF3060C-80C TMBRF30150CT

PowerPack Diode

Amp	Family / Package	TO-220AB	TO-247AD
6	Schottky		
8	Fast		
10	Fast		
	Schottky	TMBR10100CT	
16	Fast	MUR1605CT-60CT	
20	Schottky	MBR2020CT,200CT MBR20L45CT, TMBR2080CT, TMBR20100CT	
30	Fast		MUR3040PT-60PT
	Schottky	MBR3020CT-200CT SBL3045C, TMBR30100CT-150CT	SBL3040PT

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

Zener Diode

Amp	Family / Package	SOD-323	SOD-123	SOT-23	SOT-323	SMA	SMB
0.2	Zener	BZT52XXX			RSB18V		
0.225	Zener			BZX84XXX			
0.3	Zener	MM3Z		AZ23XXX			
0.5	Zener		MMSZXXX, BZT52XXX				
1	Zener					SZ103D-SZ10B0	
1.5	Zener					SZ303D - SZ30D0	
3	Zener						1SMB59XXX

Bridge Rectifier

Amp	Family / Package	MBS	TBF	ABS	DFS	KBU	KBP	GBU
0.5	Standard	B1S-10S						
0.8	Standard	MB1S-10S						
1	Standard	MB005-010 MBL06S MDB1100			DFXXS			
1.5	Standard				DF15XXS			
2	Standard		MTB26				KBP2XX	
	Schottky	MB12S-120S MB22S-210S MDB26						
3	Standard						KBP3XX	
4	Standard						KBP4XXX	GBU4A-M GBU4AL-4ML
	Schottky			MAB46				
6	Standard					KBU6XX		GBU6XX
8	Standard					KBU8XX		GBU8A-M
10	Standard					KBU10XX		GBU10XX
15	Standard							GBU15005-10

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

Bridge Rectifier

Amp	Family / Package	WOB	WOBM	BR3	BR6	BR8	4GBJ	GBPCW	GBPC
1.5	Standard	1.5WOXX	1.5WOXXM						
2	Standard	2WOXX	2WOXXM						
3	Standard			BR3XX					
4	Standard						4GBJ4XX		
6	Standard				BR6XX				
8	Standard								
10	Standard					BR10XXS			
15	Standard							GBPC15XW	GBPC15XX
25	Standard							GBPC25XW	GBPC25XX
35	Standard							GBPC35XW	GBPC35XX
50	Standard							GBPC50XW	GBPC50XX

Small Signal Switching Diodes

IC (A)	Family / Package	1206	DO-35	SOD-123	SOD-323	SOD-523
0.1	Switching				1SS355	1SS400
0.15	Switching	1N4148W-N	1N4148	BAV16W, 1N4148W	1N4148WS, BAV16H	
0.20	Switching			BAV19W-21W	BAS321	
	Schottky				BAT54	
0.30	Switching					

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

Small Signal Switching Diodes

IC (A)	Family / Package	SOT-23	SOT-523	SOT-363
0.1	Switching			
0.15	Switching			
0.20	Switching	BAS21, BAV99	BAT54T, BAT54AT,CT,ST	
0.30	Schottky			BAT54ADW, BAT54BRW, BAT54CDW, BAT54SDW, BAT54TW

Transient Voltage Suppressor

Watt (W)	Family / Package	DO-41	DO-15	DO-201AD	R-6	SOD-123
200	TVS					SMFXXX
400	TVS	P4KEXXX				
600	TVS		P6KEXXX			
1500	TVS			1.5KEXXX		
3000	TVS					
5000	TVS				5KPXXX	

Transient Voltage Suppressor

Watt (W)	Family / Package	SMA	SMB	SMC
200	TVS			
400	TVS	P4SMAXXX		
600	TVS	SMA6FXXA	P6SMBXXX, SMBJXXX	
1500	TVS			1SMCXXX, SMCJXXX
3000	TVS			3.0SMCXXX
5000	TVS			

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

Transistors

IC (A)	Family / Package	SOD-353	SOD-323	SOT-323	SOT-563	SOT-363
0.1	NPN	1SS400	1SS355		DTC144TE	
	PNP			BC856XW-858XW		
0.2	NPN					
	PNP					
0.15	NPN					
	PNP					
0.6	NPN					
	PNP					MMDT2222A

Transistors

IC (A)	Family / Package	SOT-23	SOT-89	SOT-523	
0.1	NPN	S9014, 2SC1623 BC817-40, BC846A-848C DTAXXXCA			
	PNP	BC807-40, BC856A-858C TA114ECA-TA144ECA		DTAXXXE	
0.2	NPN	MMBT3904	2SC4548		
	PNP	MMBT3906			

Transistors

IC (A)	Family / Package	SOT-23	SOT-89	TO-252	TO-92
0.5	NPN	MMBTAXX	A42		
	PNP	MMBT3904	2SC4548, A92		
0.6	NPN				2N5551
	PNP	MMBT2222A			
1	NPN				
	PNP		BCX51-56		
1.5	NPN	SS8050			
	PNP				
5	NPN		2SD2908		
	PNP			2SA1012	

Schottky-SMD

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

Amp	Family / Package	SOD-523	SOD-323	SOD-123	SOD-123FL	SOT-23	DFN0805
0.2	Schottky		SD103AWS BAS54H	BAS43W		BAS54,54A,C,S	
0.5	Schottky	SD0530WT	RB551V-30				SS052D,53D
0.7	Schottky					BAS70,70-4,5,6	
1	Schottky			SD14	BL1200W, SD14S BS14FL	BAS100	
2	Schottky			SD22-210	BS24FL		
3	Schottky			SD34			

Schottky-SMD

Amp	Family / Package	SOD-123S	SMA	SMA-S	DFN3P3	SMB
1	Schottky	SD14ST, SD1U40ST, SD1U60ST	SS12-120, SL12-14			
2	Schottky		SS22A-220A	SS24S		SS2200B
3	Schottky	SD3U40ST, SD3U60ST	SS32A-150A, SS34MA-36MA			SS32B-315B, SSL32B-34B
5	Schottky		SS52A-53A, SS56MA			SS52B-515B
6	Schottky					
8	Schottky				SD8PU100	
10	Schottky				SD10PU80, SD10PU200	
12	Schottky					
15	Schottky					

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

Schottky-SMD

Amp	Family / Package	SMC	TO-277A/B
3	Schottky	SS32-315, SSL32-34, SS3100H	
5	Schottky	SS52C-515C	SS5P100
6	Schottky		SS6PU100
8	Schottky		SS8P40-100. SS8PU100,
10	Schottky		SS10P20-100, SS10PU50, SS10PU100/100S, SS10PU120S, SS10PU200/200S, SS10PU80, SS20PU80
12	Schottky		SS12P40-60, SS12PU120S
15	Schottky		SS15P30

ESD Protection Diodes & Arrays

C Max (pF)	DFN-10	DFN-1006	DFN1725	WBFBP-02C	SOT-353	SOT-363-6	SOT-23-6
0.3	ESDF5V4						
0.5				ESDFBP05VL			
0.6						ESD0503-04	
0.9							
3				ESDFBP05CL			ESRV05-4
5							
10		EBL0501T	SOTY05D-12D	SESDFBP05C			
15							
25							
35					ESMF3V3-12	ESDA6V1W6	
50							
80							
100							

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

ESD Protection Diodes & Arrays

C Max (pF)	SOT-23	SOT-143	SOD-523	SOD-323	SMB	SOP-8
0.3						
0.5						
0.6		ESR12				
0.9			ESD5L5V			
3		ESR05L	ESD5Z5CL	ESD05CL, EBLC03(C)-24(C)		
5	EL05					
10		ESD50V12L				
15			ESD5Z5C	ESDV05CL		
25			ESD5Z5V-12V	ESD3Z5C	TSP3500SB, TSP4200SB	
35			ESD5Z3V3	ESD3Z12C		
>=50			ESD5V0D5	ESD3Z24V		
80					TSP0080SB	
100						TS61089

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

MOSFET - Low Voltage MOSFET

VBR (V)	Family / Package	DFN2X2	DFN-2X5	DFN-3X3	SOIC-8	TSSOP-8	SOT-23-3L
20	N Channel		MS9N20E (Dual)		MSQ99N 26 (Dual)	MS69N68	MS20N04NE (Dual) MS23N02
	P Channel	MSA4P21					MS23P01, MS23P21, MS23P25, MSP2301N3
25	N Channel						
	P Channel						
30	N Channel			MSK19N03			BW3402, MS23N36 MSB55N03N3 MSD23N22 MS23N22 MS23N26 MS23N18
	P Channel						MS23P39
40	N Channel						
	P Channel						
50	N Channel						BSS138
	P Channel						BSS84
60	N Channel						MSD23N58 MSK1N3
	P Channel						MS23P61 MS60P02NE MS23P59
75	N Channel						
	P Channel						
100	N Channel						MS23N70
	P Channel						

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

MOSFET - Low Voltage MOSFET

VBR (V)	Family / Package	SO-26	SC70-3 (SOT-323)	SC70-6	TSOP-6	SOIC-8 (SO-8)
20	N Channel	MSE20N06N (Dual)				
	P Channel		MS13P21 MS23P01S	MS14P21	MS34P07	MS44P15, MSQ94P33
25	N Channel					
	P Channel					
30	N Channel		MS13N30	MS15C37 (Dual)	MS34N34 MS3531C (Dual)	MS17N03Q8, MSC22N03, MSC37N03, MSQ27N30 (Dual), MSQ6N30, MS49N20
	P Channel				MS39P93	MS48P35

MOSFET - Low Voltage MOSFET

VBR (V)	Family / Package	SO-26	SC70-3	SC70-6	TSOP-6	SOIC-8 (SO-8)
40	N Channel					MSS34N40 MSB22A04Q8 (Dual) MS48N40
	P Channel					MS4541C (Dual)
60	N Channel					MS99N45
	P Channel					
75	N Channel					
	P Channel					

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

MOSFET - Low Voltage MOSFET

VBR (V)	Family / Package	SOIC-8PP	TO-252	TO-251	TO-220
20	N Channel				
	P Channel				
25	N Channel		MSD80N03		
	P Channel				
30	N Channel	MSQ7434N (Dual)	MSD50N03, MS70N03		
	P Channel		MSD40P03		
40	N Channel	MSQ6N40			
	P Channel				
60	N Channel	MS40N06, MS74N52, MS74N62	MSD20N06, MSD30N06	MS20N06	MS50N06, MS90N06
	P Channel	MS49P63	MSD30P06		
75	N Channel				MS75N75
	P Channel				

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

High Voltage MOSFET

VBR (V)	Family / Package	SOT-23-3L	TSOP-6	SOIC-8PP	TO-252	TO-251
100	N Channel		MSP02N10			
	P Channel					
200	N Channel					
	P Channel					
400	N Channel				MSD4N40	MSU4N40
500				MSQ5N50		MSU5N50
600		DMS05N60			MSD2N60, MSD4N60	MSU1N60, MSU2N60, MSU2N60S, MSU4N60, MSU4N60_S, MSU5N60
800						MSU4N65
					MSD2N70, MSD4N70	MSU2N70
≥900						

High Voltage MOSFET

VBR (V)	Family / Package	TO-220	TO-220F	TO-263	TO-247AD
100	N Channel	MSD50N10, MSD20N10		MSB90N10, MSB190N10	
	P Channel				
200	N Channel		MSF9N20		
	P Channel				
400	N Channel	MS6N40	MSF2N40, MSF6N40, MSF10N40		
500	N Channel	MS5N50 (A), MS8N50, MS13N50, MS15N50, MS18N50	MSF5N50, MSF8N50, MSF13N50, MSF16N50, MSF18N50, MSF20N50		MSW16N50 MSW20N50

Discrete semiconductors selection guide

Bipolar transistors, diodes, ESD protection, filtering and signal conditioning and MOSFETs

High Volage MOSFET

VBR (V)	Family / Package	TO-220	TO-220F	TO-263	TO-247AD
600	N Channel	MS4N60, MS5N60, MS7N60, MS8N60, MS10N60, MS12N60, MS14N60, MS15N60	MSF2N60, MSF4N60, MSF4N60LMSF5N60, MSF6N60, MSF7N60, MSF8N60, MSF10N60, MSF12N60,MSF13N60, MSF14N60, MSF15N60	MSB15N60	MSW20N60
650	N Channel	MS4N65, MS10N65, MS12N65	MSF4N65, MSF6N65, MSF7N65, MSF10N65, MSF12N65		
700	N Channel		MSF2N70, MSF6N70, MSF7N70, MSF9N70, MSF11N70		
800	N Channel	MS3N80, MS6N80, MS7N80, MS10N80	MSF3N80, MSF7N80, MSF8N80, MSF10N80(A)		MSW10N80
>=900	N Channel	MS6N90, MS9N90, MS6N95	MSF6N90, MSF9N90		MSW9N90, MSW11N90

Diode/Rectifier
--Standard/ Fast Recovery Diode

Product	IO(rec) Max (A)	VRRM Max (V)	VFM Max (V)	IFSM Max (A)	IRM Max (mA)	Package Type
RS07B	0.7	100	1.15	20	0.01	SOD-123
RS07D	0.7	200	1.15	20	0.01	SOD-123
RS07G	0.7	400	1.15	20	0.01	SOD-123
RS07J	0.7	600	1.15	20	0.01	SOD-123
RS07K	0.7	800	1.15	20	0.01	SOD-123
RS07M	0.7	1000	1.15	20	0.01	SOD-123
1N4001S	1.0	50	1.1	30	0.03	R-1
1N4002S	1.0	100	1.1	30	0.03	R-1
1N4003S	1.0	200	1.1	30	0.03	R-1
1N4004S	1.0	400	1.1	30	0.03	R-1
1N4005S	1.0	600	1.1	30	0.03	R-1
1N4006S	1.0	800	1.1	30	0.03	R-1
1N4007S	1.0	1000	1.1	30	0.03	R-1
1N4007	1.0	1000	1.1	30	0.005	DO-41
SOD4001	1.0	50	1.1	25	0.005	SOD-123FL
SOD4002	1.0	100	1.1	25	0.005	SOD-123FL
SOD4003	1.0	200	1.1	25	0.005	SOD-123FL
SOD4004	1.0	400	1.1	25	0.005	SOD-123FL
SOD4005	1.0	600	1.1	25	0.005	SOD-123FL
SOD4006	1.0	800	1.1	25	0.005	SOD-123FL
SOD4007	1.0	1000	1.1	25	0.005	SOD-123FL
GS1010FL	1.0	1000	1.0	30	0.002	SOD-123S
RS1010F	1.0	1000	1.15	30	0.002	SOD-123S
SUF140L	1.0	400	1.25	25	0.01	SOD-123L
SUF160L	1.0	600	1.70	25	0.001	SOD-123L
SUF160-D2	1.0	600	1.70	25	0.001	DFN 2X1.3
1SR154-400	1.0	400	1.1	30	0.010	SMA
1SR154-600	1.0	600	1.1	30	0.010	SMA
US1A	1.0	50	1.00	30	0.01	SMA
US1B	1.0	100	1.00	30	0.01	SMA
US1D	1.0	200	1.00	30	0.01	SMA
US1G	1.0	400	1.40	30	0.01	SMA
US1J	1.0	600	1.70	30	0.01	SMA
US1K	1.0	800	1.70	30	0.01	SMA

Diode/Rectifier
--Standard/ Fast Recovery Diode

Product	IO(rec) Max (A)	VRRM Max (V)	VFM Max (V)	IFSM Max (A)	IRM Max (mA)	Package Type
US1M	1.0	1000	1.70	30	0.01	SMA
US2A	2.0	50	1.00	30	0.01	SMB
ES1A	1.0	50	0.95	30	0.005	SMA
ES1B	1.0	100	0.95	30	0.005	SMA
ES1D	1.0	200	0.95	30	0.005	SMA
ES1G	1.0	400	0.95	30	0.005	SMA
ES1J	1.0	600	1.7	30	0.005	SMA
RS1010FS	1.2	1000	1.25	30	0.002	SOD-123S
US2B	2.0	100	1.00	30	0.01	SMB
US2D	2.0	200	1.00	30	0.01	SMB
US2G	2.0	400	1.00	30	0.01	SMB
US2J	2.0	600	1.70	30	0.01	SMB
US2K	2.0	800	1.70	30	0.01	SMB
US2M	2.0	1000	1.70	30	0.01	SMB
SF21	2.0	50	0.95	50	0.005	DO-15
SF22	2.0	100	0.95	50	0.005	DO-15
SF23	2.0	150	0.95	50	0.005	DO-15
SF24	2.0	200	0.95	50	0.005	DO-15
SF25	2.0	300	1.25	50	0.005	DO-15
SF26	2.0	400	1.25	50	0.005	DO-15
SF27	2.0	500	1.7	50	0.005	DO-15
SF28	2.0	600	1.7	50	0.005	DO-15
ES2A	2.0	50	0.95	30	0.01	SMB
ES2B	2.0	100	0.95	30	0.01	SMB
ES2D	2.0	200	0.95	30	0.01	SMB
ES2G	2.0	400	1.3	30	0.01	SMB
ES2J	2.0	600	1.7	30	0.01	SMB
MURS220A	2.0	200	1.3	40	0.005	SMA
MURS230A	2.0	300	1.3	40	0.005	SMA
MURS240A	2.0	400	1.3	40	0.005	SMA
SUF205A	2.0	600	1.7	50	0.005	SMA
MURS220	2.0	200	1	40	0.005	SMB
MURS240	2.0	400	1.2	40	0.005	SMB
MURS260	2.0	600	1.5	40	0.005	SMB

Diode/Rectifier
--Standard/ Fast Recovery Diode

Product	IO(rec) Max (A)	VRRM Max (V)	VFM Max (V)	IFSM Max (A)	IRM Max (mA)	Package Type
M1	1.0	50	1.1	30	0.005	SMA
M2	1.0	100	1.1	30	0.005	SMA
M3	1.0	200	1.1	30	0.005	SMA
M4	1.0	400	1.1	30	0.005	SMA
M5	1.0	600	1.1	30	0.005	SMA
M6	1.0	800	1.1	30	0.005	SMA
M7	1.0	1000	1.1	30	0.005	SMA
FR301G	3.0	50	1.3	100	0.005	DO-201AD
FR302G	3.0	100	1.3	100	0.005	DO-201AD
FR303G	3.0	200	1.3	100	0.005	DO-201AD
GROA	1.5	50	1.3	50	0.005	SOD-123FL
GROB	1.5	100	1.3	50	0.005	SOD-123FL
GROD	1.5	200	1.3	50	0.005	SOD-123FL
GROG	1.5	400	1.3	50	0.005	SOD-123FL
GROJ	1.5	600	1.3	50	0.005	SOD-123FL
GROK	1.5	800	1.3	50	0.005	SOD-123FL
GROM	1.5	1000	1.3	50	0.005	SOD-123FL
FR304G	3.0	400	1.3	100	0.005	DO-201AD
FR305G	3.0	600	1.3	100	0.005	DO-201AD
FR306G	3.0	800	1.3	100	0.005	DO-201AD
FR307G	3.0	1000	1.3	100	0.005	DO-201AD
FR307G-STR	3.0	1000	1.3	100	0.005	DO-201AD
MURS320B	3.0	200	0.9	75	0.005	SMB
MURS340B	3.0	400	1.3	75	0.005	SMB
MURS360B	3.0	600	1.3	75	0.005	SMB
MURS320	3.0	200	0.9	75	0.005	SMC
MURS340	3.0	400	1.3	75	0.005	SMC
MURS360	3.0	600	1.3	30	0.005	SMC
UF460	4.0	600	1.28	125	0.01	DO-201AD
FR501	5.0	50	1.3	300	0.01	DO-201AD
FR502	5.0	100	1.3	300	0.01	DO-201AD
FR503	5.0	200	1.3	300	0.01	DO-201AD
FR504	5.0	400	1.3	300	0.01	DO-201AD
FR505	5.0	600	1.3	300	0.01	DO-201AD

Diode/Rectifier
--Standard/ Fast Recovery Diode

Product	IO(rec) Max (A)	VRRM Max (V)	VFM Max (V)	IFSM Max (A)	IRM Max (mA)	Package Type
FR506	5.0	800	1.3	300	0.01	DO-201AD
FR507	5.0	1000	1.3	300	0.01	DO-201AD
SF51	5.0	50	0.95	135	0.01	DO-201AD
SF52	5.0	100	0.95	135	0.01	DO-201AD
SF53	5.0	150	0.95	135	0.01	DO-201AD
SF54	5.0	200	0.95	135	0.01	DO-201AD
SF55	5.0	300	1.7	135	0.01	DO-201AD
SF56	5.0	400	1.7	135	0.01	DO-201AD
SF57	5.0	600	1.7	135	0.01	DO-201AD
SF58	5.0	800	4	135	0.01	DO-201AD
SF59	5.0	1000	4	135	0.01	DO-201AD
UF560	5.0	600	1.5	110	0.02	DO-201AD
SUF501C	5.0	50	0.98	120	0.005	SMC
SUF502C	5.0	100	0.98	120	0.005	SMC
SUF503C	5.0	200	0.98	120	0.005	SMC
SUF504C	5.0	400	1.25	120	0.005	SMC
SUF505C	5.0	600	1.7	120	0.005	SMC
UFP560	5.0	600	2.5	80	0.02	TO-277A
MUR860FS	8.0	600	1.3	100	0.01	ITO-220AC
MURF1020CT	10.0	200	0.98	60	0.005	ITO-220AB
MURF1040CT	10.0	400	1.3	60	0.01	ITO-220AB
MURF1060S	10.0	600	1.8	150	0.03	ITO-220AB
SF1020F	10.0	200	0.98	150	0.005	ITO-220AC
MUR3040PT	30.0	400	1.25	150	0.01	TO-247AD
MUR1605CT	16.0	50	0.975	100	0.005	TO-220AB
MUR1610CT	16.0	100	0.975	100	0.005	TO-220AB
MUR1615CT	16.0	150	0.975	100	0.005	TO-220AB
MUR1620CT	16.0	200	0.975	100	0.005	TO-220AB
MUR1640CT	16.0	400	1.3	100	0.01	TO-220AB
MUR1660CT	16.0	600	1.5	100	0.01	TO-220AB
MURF1605CT	16.0	50	0.975	100	0.005	ITO-220AB
MURF1610CT	16.0	100	0.975	100	0.005	ITO-220AB
MURF1615CT	16.0	150	0.975	100	0.005	ITO-220AB
MURF1620CT	16.0	200	0.975	100	0.005	ITO-220AB

Diode/Rectifier
--Standard/ Fast Recovery Diode

Product	IO(rec) Max (A)	VRRM Max (V)	VFM Max (V)	IFSM Max (A)	IRM Max (mA)	Package Type
MURF1640CT	16.0	400	1.3	100	0.01	ITO-220AB
MURF1660CT	16.0	600	1.5	100	0.01	ITO-220AB
SF3060PT	30.0	600	2.5	300	0.01	TO-247AD
S3A	3	50	1.2	200	5	SMC
S3B	3	100	1.2	200	5	SMC
S3D	3	200	1.2	200	5	SMC
S3G	3	400	1.2	200	5	SMC
S3J	3	600	1.2	200	5	SMC
S3K	3	800	1.2	200	5	SMC
S3M	3	1000	1.2	200	5	SMC
ES1000FL	1	50	0.95	30	5	SOD-123S
ES1001FL	1	100	0.95	30	5	SOD-123S
ES1002FL	1	200	0.95	30	5	SOD-123S
ES1004FL	1	400	1.25	30	5	SOD-123S
ES1006FL	1	600	1.7	30	5	SOD-123S
EM513	1	1600	1.1	30	5	DO-41
EM516	1	1800	1.1	30	5	DO-41
EM518	1	2000	1.1	30	5	DO-41

Diode/Rectifier
--Schottky Diodes

Product	VRRM Min (V)	VF Max (V)	IRM Max (uA)	IO(rec) Max (A)	IFSM Max (A)	Package Type
SB315	150	0.85	100	3	80	DO-201AD
SB52	20	0.55	500	5	120	DO-201AD
SB53	30	0.55	500	5	200	DO-201AD
SB54	40	0.55	500	5	120	DO-201AD
SB55	50	0.70	500	5	120	DO-201AD
SB56	60	0.70	500	5	120	DO-201AD
BL1200W	200	0.82	100	1	50	SOD-123F
SD14ST	40	0.50	200	1	30	SOD-123ST
SD14	40	0.55	200	1	30	SOD-123
SD22	20	0.50	200	2	50	SOD-123
SD23	30	0.50	200	2	50	SOD-123
SD24	40	0.50	200	2	50	SOD-123
SD26	60	0.70	200	2	50	SOD-123
SD210	100	0.85	200	2	50	SOD-123
SD34	40	0.60	200	3	50	SOD-123
SD3U40ST	40	0.47	400	3	50	SOD-123ST
BS14FL	40	0.50	100	1	30	SOD-123FL
BS24FL	40	0.50	500	2	50	SOD-123FL
SS12	20	0.45	200	1	30	SMA
SS13	30	0.45	200	1	30	SMA
SS14	40	0.45	200	1	30	SMA
SS15	50	0.75	200	1	30	SMA
SS16	60	0.75	200	1	30	SMA
SS19	90	0.85	100	1	30	SMA
SS110	100	0.85	100	1	30	SMA

Diode/Rectifier
--Schottky Diodes

Product	VRRM Min (V)	VF Max (V)	IRM Max (uA)	IO(rec) Max (A)	IFSM Max (A)	Package Type
SS115	150	0.90	100	1	30	SMA
SS120	200	0.95	100	1	30	SMA
SSL12	20	0.36	100	1	50	SMA
SSL13	30	0.36	100	1	50	SMA
SSL14	40	0.38	100	1	50	SMA
SS22A	20	0.45	500	2	50	SMA
SS23A	30	0.45	500	2	50	SMA
SS24A	40	0.45	500	2	50	SMA
SS25A	50	0.70	500	2	50	SMA
SS26A	60	0.70	500	2	50	SMA
SS29A	90	0.80	100	2	50	SMA
SS210A	100	0.80	100	2	50	SMA
SS215A	150	0.95	100	2	50	SMA
SS220A	200	0.90	100	2	50	SMA
SS32A	20	0.50	500	3	80	SMA
SS33A	30	0.50	500	3	80	SMA
SS34A	40	0.50	500	3	80	SMA
SS34MA	40	0.48	200	3	80	SMA
SS34DA	40	0.48	200	3	80	SMA
SS35A	50	0.75	500	3	80	SMA
SS36A	60	0.75	500	3	80	SMA
SS36MA	60	0.60	200	3	80	SMA
SS38A	80	0.85	500	3	80	SMA
SS39A	90	0.85	500	3	80	SMA
SS310A	100	0.85	500	3	80	SMA

Diode/Rectifier
--Schottky Diodes

Product	VRRM Min (V)	VF Max (V)	IRM Max (uA)	IO(rec) Max (A)	IFSM Max (A)	Package Type
SS315A	150	0.95	100	3	70	SMA
SS56MA	60	0.68	200	5	80	SMA
SS52A	20	0.52	500	5	80	SMA
SS53A	30	0.52	500	5	80	SMA
SS52B	20	0.55	500	5	120	SMB
SS53B	30	0.55	500	5	120	SMB
SS54B	40	0.55	500	5	120	SMB
SS55B	50	0.75	500	5	120	SMB
SS56B	60	0.75	500	5	120	SMB
SS59B	90	0.85	100	5	120	SMB
SS510B	100	0.85	100	5	120	SMB
SS515B	150	0.95	100	5	120	SMB
SS82B	20	0.55	500	8	150	SMB
SS86B	20	0.55	500	8	150	SMB
SS310B	100	0.85	100	3	70	SMB
SS315B	150	0.85	100	3	70	SMB
SS2200B	200	0.85	5	2	60	SMB
SS32B	20	0.50	500	3	100	SMB
SS33B	30	0.50	500	3	100	SMB
SS34B	40	0.50	500	3	100	SMB
SS35B	50	0.75	500	3	70	SMB
SS36B	60	0.75	500	3	70	SMB
SS39B	90	0.85	100	3	70	SMB
SSL32B	20	0.41	200	3	100	SMB
SSL33B	30	0.41	200	3	100	SMB

Diode/Rectifier
--Schottky Diodes

Product	VRRM Min (V)	VF Max (V)	IRM Max (uA)	IO(rec) Max (A)	IFSM Max (A)	Package Type
SSL34B	40	0.41	500	3	100	SMB
SS52C	20	0.55	500	5	120	SMC
SS53C	30	0.55	500	5	120	SMC
SS54C	40	0.55	500	5	120	SMC
SS55C	50	0.75	500	5	120	SMC
SS56C	60	0.75	500	5	120	SMC
SS59C	90	0.85	300	5	120	SMC
SS510C	100	0.85	300	5	120	SMC
SS515C	150	0.95	300	5	120	SMC
SS82C	20	0.55	500	8	150	SMC
SS86C	60	0.55	500	8	150	SMC
SS3100H	100	0.80	200	3	100	SMC
SS315C	150	0.85	100	3	70	SMC
SS32C	20	0.50	100	3	100	SMC
SS33C	30	0.50	500	3	100	SMC
SS34C	40	0.50	500	3	100	SMC
SS35C	50	0.75	500	3	100	SMC
SS36C	60	0.75	500	3	100	SMC
SS38C	80	0.85	500	3	100	SMC
SS39C	90	0.85	500	3	100	SMC
SS3100C	100	0.85	500	3	70	SMC
SSL32C	20	0.41	200	3	100	SMC
SSL33C	30	0.41	200	3	100	SMC
SSL34C	40	0.41	500	3	100	SMC
SS36DA	60	0.60	200	3	80	2010

Diode/Rectifier --Schottky Diodes

Product	VRRM Min (V)	VF Max (V)	IRM Max (uA)	IO(rec) Max (A)	IFSM Max (A)	Package Type
RB551V-30	30	0.47	100	0.5	2	SOD-323
SS5P100	100	0.85	20	5	150	TO277A
SS8P40	40	0.50	300	8	300	TO277A
SS8P60	60	0.60	300	8	300	TO277A
SS8P100	100	0.85	20	8	180	TO277A
SS10P20	20	0.51	300	10	300	TO-277A
SS10P30	30	0.51	300	10	300	TO-277A
SS10P40	40	0.51	300	10	300	TO-277A
SS10P45	45	0.53	300	10	300	TO-277A
SS10PU50	50	0.50	150	10	200	TO-277B
SS10P60	60	0.63	300	10	300	TO-277A
SS10P100	100	0.85	20	10	250	TO-277A
SS12P40	40	0.51	300	12	300	TO-277A
SS12P45	45	0.51	300	12	300	TO-277A
SS12P60	60	0.65	300	12	300	TO-277A
SS15P30	30	0.57	300	15	300	TO-277A
SS052D	20	0.34	10	0.5	10	DFN0805
SS053D	30	0.36	10	0.5	10	DFN0805
MBR1020CT	20	0.50	100	10	120	TO-220AB
MBR1040CT	40	0.50	100	10	120	TO-220AB
MBR1050CT	50	0.60	100	10	120	TO-220AB
MBR1060CT	60	0.60	100	10	120	TO-220AB
MBR1080CT	80	0.67	100	10	120	TO-220AB
MBR10100CT	100	0.67	100	10	120	TO-220AB
MBR10150CT	150	0.71	100	10	120	TO-220AB

Diode/Rectifier
--Schottky Diodes

Product	VRRM Min (V)	VF Max (V)	IRM Max (uA)	IO(rec) Max (A)	IFSM Max (A)	Package Type
MBR10200CT	200	0.71	100	10	120	TO-220AB
MBRF1020CT	20	0.50	100	10	120	ITO-220AB
MBRF1040CT	40	0.50	100	10	120	ITO-220AB
MBRF1050CT	50	0.60	100	10	120	ITO-220AB
MBRF1060CT	60	0.60	100	10	120	ITO-220AB
MBRF1080CT	80	0.67	100	10	120	ITO-220AB
MBRF10100CT	100	0.67	100	10	120	ITO-220AB
MBRF10150CT	150	0.71	100	10	120	ITO-220AB
MBRF10200CT	200	0.90	100	10	120	ITO-220AB
MBR2020CT	20	0.57	200	20	150	TO-220AB
MBR2040CT	40	0.57	200	20	150	TO-220AB
MBR2050CT	50	0.66	200	20	150	TO-220AB
MBR2060CT	60	0.66	200	20	150	TO-220AB
MBR2080CT	80	0.69	200	20	150	TO-220AB
MBR20100CT	100	0.69	200	20	150	TO-220AB
MBR20150CT	150	0.74	200	20	150	TO-220AB
MBR20200CT	200	0.74	200	20	150	TO-220AB
MBRF2020CT	20	0.57	200	20	150	ITO-220AB
MBRF2040CT	40	0.57	200	20	150	ITO-220AB
MBRF2050CT	50	0.66	200	20	150	ITO-220AB
MBRF2060CT	60	0.66	200	20	150	ITO-220AB
MBRF2080CT	80	0.69	200	20	150	ITO-220AB
MBRF20100CT	100	0.69	200	20	150	ITO-220AB
MBRF20150CT	150	0.74	200	20	150	ITO-220AB
MBRF20200CT	200	1.05	10	20	100	ITO-220AB

Diode/Rectifier --Schottky Diodes

Product	VRRM Min (V)	VF Max (V)	IRM Max (uA)	IO(rec) Max (A)	IFSM Max (A)	Package Type
MBRF3020CT	20	0.54	200	30	200	ITO-220AB
MBRF3040CT	40	0.54	200	30	200	ITO-220AB
MBRF3050CT	50	0.61	200	30	200	ITO-220AB
MBRF3060CT	60	0.61	200	30	200	ITO-220AB
MBRF3080CT	80	0.69	200	30	200	ITO-220AB
MBRF30100CT	100	0.69	200	30	200	ITO-220AB
MBRF30150CT	150	0.73	200	30	200	ITO-220AB
MBRF30200CT	200	1.05	10	30	160	ITO-220AB
MBR3020CT	20	0.54	200	30	200	TO-220AB
MBR3050CT	50	0.61	200	30	200	TO-220AB
MBR3060CT	60	0.61	200	30	200	TO-220AB
MBR3080CT	80	0.68	200	30	200	TO-220AB
MBR30100CT	100	0.68	200	30	200	TO-220AB
MBR30150CT	150	0.73	200	30	200	TO-220AB
MBR30200CT	200	0.73	200	30	200	TO-220AB
SBL3045C	45	0.57	100	30	350	TO-220AB
SBLF3060C	60	0.70	500	30	180	ITO-220AB
SBLF3080C	80	0.82	500	30	180	ITO-220AB
SBL3040PT	40	0.55	100	30	275	TO-247AD
MBRD6100CT	100	0.75	150	6	80	TO-252
SS6PU100	100	0.65	30	6	120	TO-277B
SS8PU100	100	0.67	20	8	120	TO-277B
SS10PU100	100	0.73	20	10	150	TO-277B
SS10PU200S	200	0.77	10	10	160	TO-277B
SS10PU100S	100	0.68	20	10	210	TO-277B

Diode/Rectifier --Schottky Diodes

Product	VRRM Min (V)	VF Max (V)	IRM Max (uA)	IO(rec) Max (A)	IFSM Max (A)	Package Type
SS10PU120S	120	0.73	20	10	210	TO-277B
SS12PU120S	120	0.80	20	12	210	TO-277B
SD6PU100	100	0.65	30	6	120	DFN-3P3
SD8PU100	100	0.67	20	8	120	DFN-3P3
SD10PU80	80	0.55	50	10	100	DFN-3P3
SD10PU100	100	0.73	20	10	150	DFN-3P3
SD10PU200	200	1.05	10	10	100	DFN-3P3
BAS70	70	0.41	0.1	0.7	0.1	SOT-23
BAS70-04	70	0.41	0.1	0.7	0.1	SOT-23
BAS70-05	70	0.41	0.1	0.7	0.1	SOT-23
BAS70-06	70	0.41	0.1	0.7	0.1	SOT-23
BAS43W	30	0.33	0.5	0.2	4	SOD-123
BAS54	30	0.32	2	0.2	0.6	SOT-23
BAS54A	30	0.32	2	0.2	0.6	SOT-23
BAS54C	30	0.32	2	0.2	0.6	SOT-23
BAS54S	30	0.32	2	0.2	0.6	SOT-23
BAS54H	30	0.32	2	0.2	0.6	SOD-323
BAS100	40	0.40	100	1	6	SOT-23
MBR3040CT	40	0.70	200	15	200	TO-220AB
SD103AWS	40	0.37	5	0.2	1.5	SOD-323
SS24S	40	0.50	200	2	50	SMA-S
TMBR2080CT	80	0.65	200	10	120	TO-220AB
TMBR30100CT	100	0.76	200	30	200	TO-220AB
TMBR30120CT	120	0.89	200	30	200	TO-220AB
TMBR30150CT	150	0.92	100	30	250	TO-220AB

Diode/Rectifier
--Schottky Diodes

Product	VRRM Min (V)	VF Max (V)	IRM Max (uA)	IO(rec) Max (A)	IFSM Max (A)	Package Type
TMBRF30150CT	150	0.92	100	30	250	ITO-220AB
MBR20L45CT	45	0.54	200	20	200	TO-220AB
MBRF20L45CT	45	0.54	200	20	200	ITO-220AB
SB510UL	100	0.43	20	5	210	DO-201AD
SD0530WT	30	0.375	20	0.5	5.5	SOD-523
SS10PU80	80	0.51	50	10	160	TO-277A,B
SS20PU80	80	0.46	60	20	216	TO-277A,B
SD1U40ST	40	0.42	100	1	10	SOD-123
SD1U60ST	60	0.48	100	1	10	SOD-123
SD3U60ST	60	0.51	100	3	45	SOD-123
SD3U60ST	60	0.51	100	3	45	SOD-123
SD10PU80	80	0.55	50	10	100	DFN-3P3
15SQ030	30	0.55	500	15	350	R-6
15SQ040	40	0.55	500	15	350	R-6
15SQ045	45	0.55	500	15	350	R-6
15SQ050	50	0.7	500	15	350	R-6
15AQ060	60	0.7	500	15	350	R-6
15SQ080	80	0.8	500	15	350	R-6
15SQ100	100	0.8	500	15	350	R-6

Diode/Rectifier --Small Signal Switching Diodes

Product	VRRM Min (V)	VF Max (V)	IRM Max (uA)	IF Max (A)	trr Max (ns)	Cj Max (pF)	Package Type
BAS21	250	1.0	1.0	0.2	50	8	SOT-23
BAV99	100	1.0	0.5	0.2	6	1.5	SOT-23
BAV16W	75	1.0	1.0	0.15	2	4	SOD-123
BAV19W	100	1.0	0.1	0.2	50	5	SOD-123
BAV20W	150	1.0	0.1	0.2	50	5	SOD-123
BAV21W	200	1.0	0.1	0.2	50	5	SOD-123
1SS355	90	1.2	0.1	0.1	4	3	SOD-323
1SS400	90	1.2	0.1	0.1	4	3	SOD-523
1N4148	75	1.0	1.0	0.15	2	4	DO-35
1N4148W	75	1.0	1.0	0.15	2	4	SOD-123
1N4148WS	75	1.25	1.0	0.15	4	2	SOD-323
1N4148W-N	75	1.0	1.0	0.15	2	4	1206
BAS16H	75	1.25	1.0	0.15	5	2	SOD-323
BAS321	200	1.25	1.0	0.2	50	2	SOD-323
BAT54	30	1.00	2.0	0.2	5	10	SOD-323
BAT54T	30	0.24	2.0	0.2	5	-	SOD-523
BAT54AT	30	0.24	2.0	0.2	5	-	SOT-523
BAT54CT	30	0.24	2.0	0.2	5	-	SOD-523
BAT54ST	30	0.32	2	0.3	5	-	SOT-363
BAT54ADW	30	0.32	2	0.3	5	-	SOT-363
BAT54BRW	30	0.32	2	0.3	5	-	SOT-363
BAT54CDW	30	0.32	2	0.3	5	-	SOT-363
BAT54SDW	30	0.32	2	0.3	5	-	SOT-363
BAT54TW	30	0.24	2.0	0.2	5	-	SOD-523

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
MMSZ4685	3.6	0.5	-	SOD-123
MMSZ4686	3.9	0.5	-	SOD-123
MMSZ4687	4.3	0.5	-	SOD-123
MMSZ4688	4.7	0.5	-	SOD-123
MMSZ4689	5.1	0.5	-	SOD-123
MMSZ4690	5.6	0.5	-	SOD-123
MMSZ4691	6.2	0.5	-	SOD-123
MMSZ4692	6.8	0.5	-	SOD-123
MMSZ4693	7.5	0.5	-	SOD-123
MMSZ4694	8.2	0.5	-	SOD-123
MMSZ4695	8.7	0.5	-	SOD-123
MMSZ4696	9.1	0.5	-	SOD-123
MMSZ4697	10	0.5	-	SOD-123
MMSZ4698	11	0.5	-	SOD-123
MMSZ4699	12	0.5	-	SOD-123
MMSZ4700	13	0.5	-	SOD-123
MMSZ4701	14	0.5	-	SOD-123
MMSZ4702	15	0.5	-	SOD-123
MMSZ4703	16	0.5	-	SOD-123
MMSZ4704	17	0.5	-	SOD-123
MMSZ4705	18	0.5	-	SOD-123
MMSZ4706	19	0.5	-	SOD-123
MMSZ4707	20	0.5	-	SOD-123
MMSZ4708	22	0.5	-	SOD-123

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
MMSZ4709	24	0.5	-	SOD-123
MMSZ4710	25	0.5	-	SOD-123
MMSZ4711	27	0.5	-	SOD-123
MMSZ4712	28	0.5	-	SOD-123
MMSZ4713	30	0.5	-	SOD-123
MMSZ4714	33	0.5	-	SOD-123
MMSZ4715	36	0.5	-	SOD-123
MMSZ4716	39	0.5	-	SOD-123
MMSZ4717	43	0.5	-	SOD-123
MMSZ5221B	2.4	0.5	30	SOD-123
MMSZ5223B	2.7	0.5	30	SOD-123
MMSZ5225B	3	0.5	30	SOD-123
MMSZ5226B	3.3	0.5	28	SOD-123
MMSZ5227B	3.6	0.5	24	SOD-123
MMSZ5228B	3.9	0.5	23	SOD-123
MMSZ5229B	4.3	0.5	22	SOD-123
MMSZ5230B	4.7	0.5	19	SOD-123
MMSZ5231B	5.1	0.5	17	SOD-123
MMSZ5232B	5.6	0.5	11	SOD-123
MMSZ5233B	6	0.5	7	SOD-123
MMSZ5234B	6.2	0.5	7	SOD-123
MMSZ5235B	6.8	0.5	5	SOD-123
MMSZ5236B	7.5	0.5	6	SOD-123
MMSZ5237B	8.2	0.5	8	SOD-123

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
MMSZ5238B	8.7	0.5	8	SOD-123
MMSZ5239B	9.1	0.5	10	SOD-123
MMSZ5240B	10	0.5	17	SOD-123
MMSZ5241B	11	0.5	22	SOD-123
MMSZ5242B	12	0.5	30	SOD-123
MMSZ5243B	13	0.5	13	SOD-123
MMSZ5245B	15	0.5	16	SOD-123
MMSZ5246B	16	0.5	17	SOD-123
MMSZ5248B	18	0.5	21	SOD-123
MMSZ5250B	20	0.5	25	SOD-123
MMSZ5251B	22	0.5	29	SOD-123
MMSZ5252B	24	0.5	33	SOD-123
MMSZ5254B	27	0.5	41	SOD-123
MMSZ5255B	28	0.5	44	SOD-123
MMSZ5256B	30	0.5	49	SOD-123
MMSZ5257B	33	0.5	58	SOD-123
MMSZ5258B	36	0.5	70	SOD-123
MMSZ5259B	39	0.5	80	SOD-123
MMSZ5260B	43	0.5	93	SOD-123
MM3Z2V0	2	0.3	100	SOD-323
MM3Z2V2	2.2	0.3	100	SOD-323
MM3Z2V4	2.4	0.3	100	SOD-323
MM3Z2V7	2.7	0.3	110	SOD-323
MM3Z3V0	3	0.3	120	SOD-323

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
MM3Z3V3	3.3	0.3	130	SOD-323
MM3Z3V6	3.6	0.3	130	SOD-323
MM3Z3V9	3.9	0.3	130	SOD-323
MM3Z4V3	4.3	0.3	130	SOD-323
MM3Z4V7	4.7	0.3	130	SOD-323
MM3Z5V1	5.1	0.3	130	SOD-323
MM3Z5V6	5.6	0.3	80	SOD-323
MM3Z6V2	6.2	0.3	50	SOD-323
MM3Z6V8	6.8	0.3	30	SOD-323
MM3Z7V5	7.5	0.3	30	SOD-323
MM3Z8V2	8.2	0.3	30	SOD-323
MM3Z9V1	9.1	0.3	30	SOD-323
MM3Z10	10	0.3	30	SOD-323
MM3Z11	11	0.3	30	SOD-323
MM3Z12	12	0.3	35	SOD-323
MM3Z13	13	0.3	35	SOD-323
MM3Z15	15	0.3	40	SOD-323
MM3Z16	16	0.3	40	SOD-323
MM3Z18	18	0.3	45	SOD-323
MM3Z20	20	0.3	50	SOD-323
MM3Z22	22	0.3	55	SOD-323
MM3Z24	24	0.3	60	SOD-323
MM3Z27	27	0.3	70	SOD-323
MM3Z30	30	0.3	80	SOD-323

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
MM3Z33	33	0.3	80	SOD-323
MM3Z36	36	0.3	90	SOD-323
MM3Z39	39	0.3	100	SOD-323
MM3Z43	43	0.3	130	SOD-323
MM3Z47	47	0.3	150	SOD-323
MM3Z51	51	0.3	180	SOD-323
MM3Z56	56	0.3	180	SOD-323
MM3Z62	62	0.3	200	SOD-323
MM3Z68	68	0.3	250	SOD-323
MM3Z75	75	0.3	300	SOD-323
BZT52C2V0S	2	0.2	100	SOD-323
BZT52C2V4S	2.4	0.2	100	SOD-323
BZT52C2V7S	2.7	0.2	100	SOD-323
BZT52C3V0S	3	0.2	95	SOD-323
BZT52C3V3S	3.3	0.2	95	SOD-323
BZT52C3V6S	3.6	0.2	90	SOD-323
BZT52C3V9S	3.9	0.2	90	SOD-323
BZT52C4V3S	4.3	0.2	90	SOD-323
BZT52C4V7S	4.7	0.2	80	SOD-323
BZT52C5V1S	5.1	0.2	60	SOD-323
BZT52C5V6S	5.6	0.2	40	SOD-323
BZT52C6V2S	6.2	0.2	10	SOD-323
BZT52C6V8S	6.8	0.2	15	SOD-323
BZT52C7V5S	7.5	0.2	15	SOD-323

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
BZT52C8V2S	8.2	0.2	15	SOD-323
BZT52C9V1S	9.1	0.2	15	SOD-323
BZT52C10S	10	0.2	20	SOD-323
BZT52C11S	11	0.2	20	SOD-323
BZT52C12S	12	0.2	25	SOD-323
BZT52C13S	13	0.2	30	SOD-323
BZT52C15S	15	0.2	30	SOD-323
BZT52C16S	16	0.2	40	SOD-323
BZT52C18S	18	0.2	45	SOD-323
BZT52C20S	20	0.2	55	SOD-323
BZT52C22S	22	0.2	55	SOD-323
BZT52C24S	24	0.2	70	SOD-323
BZT52C27S	27	0.2	80	SOD-323
BZT52C30S	30	0.2	80	SOD-323
BZT52C33S	33	0.2	80	SOD-323
BZT52C36S	36	0.2	90	SOD-323
BZT52C39S	39	0.2	130	SOD-323
BZT52C2V0	2	0.5	100	SOD-123
BZT52C2V4	2.4	0.5	100	SOD-123
BZT52C2V7	2.7	0.5	100	SOD-123
BZT52C3V0	3	0.5	95	SOD-123
BZT52C3V3	3.3	0.5	95	SOD-123
BZT52C3V6	3.6	0.5	90	SOD-123
BZT52C3V9	3.9	0.5	90	SOD-123

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
BZT52C4V3	4.3	0.5	90	SOD-123
BZT52C4V7	4.7	0.5	80	SOD-123
BZT52C5V1	5.1	0.5	60	SOD-123
BZT52C5V6	5.6	0.5	40	SOD-123
BZT52C6V2	6.2	0.5	10	SOD-123
BZT52C6V8	6.8	0.5	15	SOD-123
BZT52C7V5	7.5	0.5	15	SOD-123
BZT52C8V2	8.2	0.5	15	SOD-123
BZT52C9V1	9.1	0.5	15	SOD-123
BZT52C10	10	0.5	20	SOD-123
BZT52C11	11	0.5	20	SOD-123
BZT52C12	12	0.5	25	SOD-123
BZT52C13	13	0.5	30	SOD-123
BZT52C15	15	0.5	30	SOD-123
BZT52C16	16	0.5	40	SOD-123
BZT52C18	18	0.5	45	SOD-123
BZT52C20	20	0.5	55	SOD-123
BZT52C22	22	0.5	55	SOD-123
BZT52C24	24	0.5	70	SOD-123
BZT52C27	27	0.5	80	SOD-123
BZT52C30	30	0.5	80	SOD-123
BZT52C33	33	0.5	80	SOD-123
BZT52C36	36	0.5	90	SOD-123
BZT52C39	39	0.5	130	SOD-123

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
BZT52C43	43	0.5	100	SOD-123
BZT52C47	47	0.5	100	SOD-123
BZT52C51	51	0.5	100	SOD-123
BZT52B2V4	2.4	0.5	85	SOD-123
BZT52B2V7	2.7	0.5	83	SOD-123
BZT52B3V0	3	0.5	95	SOD-123
BZT52B3V3	3.3	0.5	95	SOD-123
BZT52B3V6	3.6	0.5	95	SOD-123
BZT52B3V9	3.9	0.5	95	SOD-123
BZT52B4V3	4.3	0.5	95	SOD-123
BZT52B4V7	4.7	0.5	78	SOD-123
BZT52B5V1	5.1	0.5	60	SOD-123
BZT52B5V6	5.6	0.5	40	SOD-123
BZT52B6V2	6.2	0.5	10	SOD-123
BZT52B6V8	6.8	0.5	8	SOD-123
BZT52B7V5	7.5	0.5	7	SOD-123
BZT52B8V2	8.2	0.5	7	SOD-123
BZT52B9V1	9.1	0.5	10	SOD-123
BZT52B10	10	0.5	15	SOD-123
BZT52B11	11	0.5	20	SOD-123
BZT52B12	12	0.5	20	SOD-123
BZT52B13	13	0.5	25	SOD-123
BZT52B15	15	0.5	30	SOD-123
BZT52B16	16	0.5	40	SOD-123

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
BZT52B18	18	0.5	50	SOD-123
BZT52B20	20	0.5	50	SOD-123
BZT52B22	22	0.5	55	SOD-123
BZT52B24	24	0.5	80	SOD-123
BZT52B27	27	0.5	80	SOD-123
BZT52B30	30	0.5	80	SOD-123
BZT52B33	33	0.5	80	SOD-123
BZT52B36	36	0.5	90	SOD-123
BZT52B39	39	0.5	90	SOD-123
BZT52B43	43	0.5	100	SOD-123
BZT52B47	47	0.5	100	SOD-123
BZT52B51	51	0.5	100	SOD-123
BZX84C2V4	2.4	0.225	100	SOT-23
BZX84C2V7	2.7	0.225	100	SOT-23
BZX84C3V0	3	0.225	95	SOT-23
BZX84C3V3	3.3	0.225	95	SOT-23
BZX84C3V6	3.6	0.225	90	SOT-23
BZX84C3V9	3.9	0.225	90	SOT-23
BZX84C4V3	4.3	0.225	90	SOT-23
BZX84C4V7	4.7	0.225	80	SOT-23
BZX84C5V1	5.1	0.225	60	SOT-23
BZX84C5V6	5.6	0.225	40	SOT-23
BZX84C6V2	6.2	0.225	10	SOT-23
BZX84C6V8	6.8	0.225	15	SOT-23

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
BZX84C7V5	7.5	0.225	15	SOT-23
BZX84C8V2	8.2	0.225	15	SOT-23
BZX84C9V1	9.1	0.225	15	SOT-23
BZX84C10	10	0.225	20	SOT-23
BZX84C11	11	0.225	20	SOT-23
BZX84C12	12	0.225	25	SOT-23
BZX84C13	13	0.225	30	SOT-23
BZX84C15	15	0.225	30	SOT-23
BZX84C16	16	0.225	40	SOT-23
BZX84C18	18	0.225	45	SOT-23
BZX84C20	20	0.225	55	SOT-23
BZX84C22	22	0.225	55	SOT-23
BZX84C24	24	0.225	70	SOT-23
BZX84C27	27	0.225	80	SOT-23
BZX84C30	30	0.225	80	SOT-23
BZX84C33	33	0.225	80	SOT-23
BZX84C36	36	0.225	90	SOT-23
BZX84C39	39	0.225	130	SOT-23
BZX84C43	43	0.225	150	SOT-23
BZX84C47	47	0.225	170	SOT-23
BZX84C51	51	0.225	180	SOT-23
BZX84C56	56	0.225	200	SOT-23
BZX84C62	62	0.225	215	SOT-23
BZX84C68	68	0.225	240	SOT-23

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
BZX84C75	75	0.225	255	SOT-23
SZ103D	3.3	1	10	SMA
SZ103G	3.6	1	10	SMA
SZ103J	3.9	1	9	SMA
SZ104D	4.3	1	9	SMA
SZ104H	4.7	1	8	SMA
SZ105B	5.1	1	7	SMA
SZ105G	5.6	1	5	SMA
SZ106C	6.2	1	2	SMA
SZ106I	6.8	1	3.5	SMA
SZ107F	7.5	1	4	SMA
SZ108C	8.2	1	4.5	SMA
SZ109B	9.1	1	5	SMA
SZ1010	10	1	7	SMA
SZ1011	11	1	8	SMA
SZ1012	12	1	9	SMA
SZ1013	13	1	10	SMA
SZ1015	15	1	14	SMA
SZ1016	16	1	16	SMA
SZ1018	18	1	20	SMA
SZ1020	20	1	22	SMA
SZ1022	22	1	23	SMA
SZ1024	24	1	25	SMA
SZ1027	27	1	35	SMA

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
SZ1030	30	1	40	SMA
SZ1033	33	1	45	SMA
SZ1036	36	1	50	SMA
SZ1039	39	1	60	SMA
SZ1043	43	1	70	SMA
SZ1047	47	1	80	SMA
SZ1051	51	1	95	SMA
SZ1056	56	1	110	SMA
SZ1062	62	1	125	SMA
SZ1068	68	1	150	SMA
SZ1075	75	1	175	SMA
SZ1082	82	1	200	SMA
SZ1091	91	1	250	SMA
SZ10B0	100	1	350	SMA
SZ10B1	110	1	450	SMA
SZ10B2	120	1	550	SMA
SZ10B3	130	1	700	SMA
SZ10B5	150	1	1000	SMA
SZ10B6	160	1	1100	SMA
SZ10B8	180	1	1200	SMA
SZ10D0	200	1	1900	SMA
SZ153D	3.3	1	10	SMA
SZ153G	3.6	1	10	SMA
SZ153J	3.9	1	9	SMA

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
SZ154D	4.3	1	9	SMA
SZ154H	4.7	1	8	SMA
SZ155B	5.1	1	7	SMA
SZ155G	5.6	1	5	SMA
SZ156C	6.2	1	2	SMA
SZ156I	6.8	1	3.5	SMA
SZ157F	7.5	1	4	SMA
SZ158C	8.2	1	4.5	SMA
SZ159B	9.1	1	5	SMA
SZ1510	10	1	7	SMA
SZ1511	11	1	8	SMA
SZ1512	12	1	9	SMA
SZ1513	13	1	10	SMA
SZ1515	15	1	14	SMA
SZ1516	16	1	16	SMA
SZ1518	18	1	20	SMA
SZ1520	20	1	22	SMA
SZ1522	22	1	23	SMA
SZ1524	24	1	25	SMA
SZ1527	27	1	35	SMA
SZ1530	30	1	40	SMA
SZ1533	33	1	45	SMA
SZ1536	36	1	50	SMA
SZ1539	39	1	60	SMA

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
SZ1543	43	1	70	SMA
SZ1547	47	1	80	SMA
SZ1551	51	1	95	SMA
SZ1556	56	1	110	SMA
SZ1562	62	1	125	SMA
SZ1568	68	1	150	SMA
SZ1575	75	1	175	SMA
SZ1582	82	1	200	SMA
SZ1591	91	1	250	SMA
SZ15B0	100	1	350	SMA
SZ15B1	110	1	450	SMA
SZ15B2	120	1	550	SMA
SZ15B3	130	1	700	SMA
SZ15B5	150	1	1000	SMA
SZ15B6	160	1	1100	SMA
SZ15B8	180	1	1200	SMA
SZ15D0	200	1	1900	SMA
SZ303D	3.3	1.5	10	SMA
SZ303G	3.6	1.5	9	SMA
SZ303J	3.9	1.5	7.5	SMA
SZ304D	4.3	1.5	6	SMA
SZ304H	4.7	1.5	5	SMA
SZ305B	5.1	1.5	4	SMA
SZ305G	5.6	1.5	2	SMA

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
SZ306C	6.2	1.5	2	SMA
SZ306I	6.8	1.5	2.5	SMA
SZ307F	7.5	1.5	3	SMA
SZ308C	8.2	1.5	3.5	SMA
SZ309B	9.1	1.5	4	SMA
SZ3010	10	1.5	4.5	SMA
SZ3011	11	1.5	5.5	SMA
SZ3012	12	1.5	6.5	SMA
SZ3013	13	1.5	7	SMA
SZ3015	15	1.5	9	SMA
SZ3016	16	1.5	10	SMA
SZ3018	18	1.5	12	SMA
SZ3020	20	1.5	14	SMA
SZ3022	22	1.5	17.5	SMA
SZ3024	24	1.5	19	SMA
SZ3027	27	1.5	23	SMA
SZ3030	30	1.5	26	SMA
SZ3033	33	1.5	33	SMA
SZ3036	36	1.5	38	SMA
SZ3039	39	1.5	45	SMA
SZ3043	43	1.5	53	SMA
SZ3047	47	1.5	67	SMA
SZ3051	51	1.5	70	SMA
SZ3056	56	1.5	86	SMA

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
SZ3062	62	1.5	100	SMA
SZ3068	68	1.5	120	SMA
SZ3075	75	1.5	140	SMA
SZ3082	82	1.5	160	SMA
SZ3091	91	1.5	200	SMA
SZ30B0	100	1.5	250	SMA
SZ30B1	110	1.5	300	SMA
SZ30B2	120	1.5	380	SMA
SZ30B3	130	1.5	450	SMA
SZ30B5	150	1.5	600	SMA
SZ30B6	160	1.5	700	SMA
SZ30B8	180	1.5	900	SMA
SZ30D0	200	1.5	1200	SMA
1SMB5913A	3.3	3	10	SMB
1SMB5914A	3.6	3	9	SMB
1SMB5915A	3.9	3	7.5	SMB
1SMB5916A	4.3	3	6	SMB
1SMB5917A	4.7	3	5	SMB
1SMB5918A	5.1	3	4	SMB
1SMB5919A	5.6	3	2	SMB
1SMB5920A	6.2	3	2	SMB
1SMB5921A	6.8	3	2.5	SMB
1SMB5922A	7.5	3	3	SMB
1SMB5923A	8.2	3	3.5	SMB

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
1SMB5924A	9.1	3	4	SMB
1SMB5925A	10	3	4.5	SMB
1SMB5926A	11	3	5.5	SMB
1SMB5927A	12	3	6.5	SMB
1SMB5928A	13	3	7	SMB
1SMB5929A	15	3	9	SMB
1SMB5930A	16	3	10	SMB
1SMB5931A	18	3	12	SMB
1SMB5932A	20	3	14	SMB
1SMB5933A	22	3	17.5	SMB
1SMB5934A	24	3	19	SMB
1SMB5935A	27	3	23	SMB
1SMB5936A	30	3	26	SMB
1SMB5937A	33	3	33	SMB
1SMB5938A	36	3	38	SMB
1SMB5939A	39	3	45	SMB
1SMB5940A	43	3	53	SMB
1SMB5941A	47	3	67	SMB
1SMB5942A	51	3	70	SMB
1SMB5943A	56	3	86	SMB
1SMB5944A	62	3	100	SMB
1SMB5945A	68	3	120	SMB
1SMB5946A	75	3	140	SMB
1SMB5947A	82	3	160	SMB

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
1SMB5948A	91	3	200	SMB
1SMB5949A	100	3	250	SMB
1SMB5950A	110	3	300	SMB
1SMB5951A	120	3	380	SMB
1SMB5952A	130	3	450	SMB
1SMB5953A	150	3	600	SMB
1SMB5954A	160	3	700	SMB
1SMB5955A	180	3	900	SMB
1SMB5956A	200	3	1200	SMB
AZ23C2V7	2.7	0.3	83	SOD-23
AZ23C3V0	3	0.3	95	SOD-23
AZ23C3V3	3.3	0.3	95	SOD-23
AZ23C3V6	3.6	0.3	95	SOD-23
AZ23C3V9	3.9	0.3	95	SOD-23
AZ23C4V3	4.3	0.3	95	SOD-23
AZ23C4V7	4.7	0.3	78	SOD-23
AZ23C5V1	5.1	0.3	60	SOD-23
AZ23C5V6	5.6	0.3	40	SOD-23
AZ23C6V2	6.2	0.3	10	SOD-23
AZ23C6V8	6.8	0.3	8	SOD-23
AZ23C7V5	7.5	0.3	7	SOD-23
AZ23C8V2	8.2	0.3	7	SOD-23
AZ23C9V1	9.1	0.3	10	SOD-23
AZ23C10	10	0.3	15	SOD-23

Diode/Rectifier
--Zener Diode

Product	Zener Voltage VZ (V)	Power Dissipation Max (W)	Zener Impedance max (Ω)	Package Type
AZ23C11	11	0.3	20	SOD-23
AZ23C12	12	0.3	20	SOD-23
AZ23C13	13	0.3	25	SOD-23
AZ23C15	15	0.3	30	SOD-23
AZ23C16	16	0.3	40	SOD-23
AZ23C18	18	0.3	50	SOD-23
AZ23C20	20	0.3	50	SOD-23
AZ23C22	22	0.3	55	SOD-23
AZ23C24	24	0.3	80	SOD-23
AZ23C27	27	0.3	80	SOD-23
AZ23C30	30	0.3	80	SOD-23
AZ23C33	33	0.3	80	SOD-23
AZ23C36	36	0.3	90	SOD-23
AZ23C39	39	0.3	90	SOD-23
AZ23C43	43	0.3	100	SOD-23
AZ23C47	47	0.3	100	SOD-23
AZ23C51	51	0.3	100	SOD-23
RSB18V	18	0.2	-	SOT-323

Diode/Rectifier --Bridge Rectifiers

Product	IO(rec) Max (A)	VRRM Max (V)	VFM Max (V)	IFSM Max (A)	IR Max (mA)	Package Type
B1S	0.5	100	1	35	0.005	MBS
B2S	0.5	200	1	35	0.005	MBS
B4S	0.5	400	1	35	0.005	MBS
B6S	0.5	600	1	35	0.005	MBS
B8S	0.5	800	1	35	0.005	MBS
B10S	0.5	1000	1	35	0.005	MBS
MB1S	0.8	100	1	35	0.005	MBS
MB2S	0.8	200	1	35	0.005	MBS
MB4S	0.8	400	1	35	0.005	MBS
MB6S	0.8	600	1	35	0.005	MBS
MB8S	0.8	800	1	35	0.005	MBS
MB10S	0.8	1000	1	35	0.005	MBS
MB005	1	50	1.1	50	0.01	MBS
MB01	1	100	1.1	50	0.01	MBS
MB02	1	200	1.1	50	0.01	MBS
MB04	1	400	1.1	50	0.01	MBS
MB06	1	600	1.1	50	0.01	MBS
MB08	1	800	1.1	50	0.01	MBS
MB010	1	1000	1.1	50	0.01	MBS
MBL06S	1	600	0.85	50	0.005	MBS
MB12S	1	20	0.5	30	0.5	MBS
MB14S	1	40	0.5	30	0.5	MBS
MB16S	1	60	0.7	30	0.5	MBS
MB18S	1	80	0.85	30	0.5	MBS
MB110S	1	100	0.85	30	0.5	MBS
MB120S	1	200	0.9	30	0.05	MBS
DF005S	1	50	1.1	50	0.001	DFS
DF01S	1	100	1.1	50	0.001	DFS
DF02S	1	200	1.1	50	0.001	DFS
DF04S	1	400	1.1	50	0.001	DFS
DF06S	1	600	1.1	50	0.001	DFS
DF08S	1	800	1.1	50	0.001	DFS
DF10S	1	1000	1.1	50	0.001	DFS
MB22S	2	20	0.45	50	0.5	MBS

Diode/Rectifier --Bridge Rectifiers

Product	IO(rec) Max (A)	VRRM Max (V)	VFM Max (V)	IFSM Max (A)	IR Max (mA)	Package Type
MB24S	2	40	0.5	50	0.5	MBS
MB26S	2	60	0.7	50	0.5	MBS
MB28S	2	80	0.85	50	0.5	MBS
MB210S	2	100	0.85	50	0.5	MBS
KBP200	2	50	1	60	0.01	KBP
KBP201	2	100	1	60	0.01	KBP
KBP202	2	200	1	60	0.01	KBP
KBP204	2	400	1	60	0.01	KBP
KBP206	2	600	1	60	0.01	KBP
KBP208	2	800	1	60	0.01	KBP
KBP210	2	1000	1	60	0.01	KBP
KBP300	3	50	1.1	80	0.01	KBP
KBP301	3	100	1.1	80	0.01	KBP
KBP302	3	200	1.1	80	0.01	KBP
KBP304	3	400	1.1	80	0.01	KBP
KBP306	3	600	1.1	80	0.01	KBP
KBP308	3	800	1.1	80	0.01	KBP
KBP310	3	1000	1.1	80	0.01	KBP
KBL400	4	50	1.1	200	0.01	KBP
KBL401	4	100	1.1	200	0.01	KBP
KBL402	4	200	1.1	200	0.01	KBP
KBL404	4	400	1.1	200	0.01	KBP
KBL406	4	600	1.1	200	0.01	KBP
KBL408	4	800	1.1	200	0.01	KBP
KBL410	4	1000	1.1	200	0.01	KBP
GBU4A	4	50	1	150	0.005	GBU
GBU4B	4	100	1	150	0.005	GBU
GBU4D	4	200	1	150	0.005	GBU
GBU4G	4	400	1	150	0.005	GBU
GBU4J	4	600	1	150	0.005	GBU
GBU4K	4	800	1	150	0.005	GBU
GBU4M	4	1000	1	150	0.005	GBU
GBU4AL	4	50	0.9	150	0.005	GBU
GBU4BL	4	100	0.9	150	0.005	GBU

Diode/Rectifier
--Bridge Rectifiers

Product	IO(rec) Max (A)	VRRM Max (V)	VFM Max (V)	IFSM Max (A)	IR Max (mA)	Package Type
GBU4DL	4	200	0.9	150	0.005	GBU
GBU4GL	4	400	0.9	150	0.005	GBU
GBU4JL	4	600	0.9	150	0.005	GBU
GBU4KL	4	800	0.9	150	0.005	GBU
GBU4ML	4	1000	0.9	150	0.005	GBU
GBU8A	8	50	1	200	0.005	GBU
GBU8B	8	100	1	200	0.005	GBU
GBU8D	8	200	1	200	0.005	GBU
GBU8G	8	400	1	200	0.005	GBU
GBU8J	8	600	1	200	0.005	GBU
GBU8K	8	800	1	200	0.005	GBU
GBU8M	8	1000	1	200	0.005	GBU
MDB26	2	60	0.56	60	0.2	MBS
MTB26	2	60	0.56	60	0.2	TBF
MAB46	4	60	0.66	60	0.2	ABS
MTB1100	1	100	0.77	50	0.01	ABS
MDB1100	1	100	0.77	50	0.01	MBS
DF15005S	1.5	50	1.1	50	5	DFS
DF1501S	1.5	100	1.1	50	5	DFS
DF1502S	1.5	200	1.1	50	5	DFS
DF1504S	1.5	400	1.1	50	5	DFS
DF1506S	1.5	600	1.1	50	5	DFS
DF1508S	1.5	800	1.1	50	5	DFS
DF1510S	1.5	1000	1.1	50	5	DFS
GBU15005	15	50	1	240	10	GBU
GBU1501	15	100	1	240	10	GBU
GBU1502	15	200	1	240	10	GBU
GBU1504	15	400	1	240	10	GBU
GBU1506	15	600	1	240	10	GBU
GBU1508	15	800	1	240	10	GBU
GBU1510	15	10000	1	240	10	GBU
KBU6005	6	50	1	175	10	KBU
KBU601	6	100	1	175	10	KBU
KBU602	6	200	1	175	10	KBU

Diode/Rectifier
--Bridge Rectifiers

KBU604	6	400	1	175	10	KBU
KBU606	6	600	1	175	10	KBU
KBU608	6	800	1	175	10	KBU
KBU610	6	1000	1	175	10	KBU
KBU8005	8	50	1	200	10	KBU
KBU801	8	100	1	200	10	KBU
KBU802	8	200	1	200	10	KBU
KBU804	8	400	1	200	10	KBU
KBU806	8	600	1	200	10	KBU
KBU808	8	800	1	200	10	KBU
KBU810	8	1000	1	200	10	KBU
KBU10005	10	50	1	240	10	KBU
KBU1001	10	100	1	240	10	KBU
KBU1002	10	200	1	240	10	KBU
KBU1004	10	400	1	240	10	KBU
KBU1006	10	600	1	240	10	KBU
KBU1008	10	800	1	240	10	KBU
KBU1010	10	1000	1	240	10	KBU
2W005	2	50	1.1	60	10	WOB
2W01	2	100	1.1	60	10	WOB
2W02	2	200	1.1	60	10	WOB
2W04	2	400	1.1	60	10	WOB
2W06	2	600	1.1	60	10	WOB
2W08	2	800	1.1	60	10	WOB
2W10	2	1000	1.1	60	10	WOB
2W005M	2	50	1.1	60	10	WOBM
2W01M	2	100	1.1	60	10	WOBM
2W02M	2	200	1.1	60	10	WOBM
2W04M	2	400	1.1	60	10	WOBM
2W06M	2	600	1.1	60	10	WOBM
2W08M	2	800	1.1	60	10	WOBM
2W10M	2	1000	1.1	60	10	WOBM
4GBJ4005	4	50	1.1	135	10	4GBJ
4GBJ401	4	100	1.1	135	10	4GBJ
4GBJ402	4	200	1.1	135	10	4GBJ
4GBJ404	4	400	1.1	135	10	4GBJ

Diode/Rectifier
--Bridge Rectifiers

4GBJ406	4	600	1.1	135	10	4GBJ
4GBJ408	4	800	1.1	135	10	4GBJ
4GBJ410	4	1000	1.1	135	10	4GBJ
BR3005	3	50	1.1	40	10	BR3
BR301	3	100	1.1	40	10	BR3
BR302	3	200	1.1	40	10	BR3
BR304	3	400	1.1	40	10	BR3
BR306	3	600	1.1	40	10	BR3
BR308	3	800	1.1	40	10	BR3
BR310	3	1000	1.1	40	10	BR3
BR6005	6	50	1	175	10	BR6
BR601	6	100	1	175	10	BR6
BR602	6	200	1	175	10	BR6
BR604	6	400	1	175	10	BR6
BR606	6	600	1	175	10	BR6
BR608	6	800	1	175	10	BR6
BR610	6	1000	1	175	10	BR6
BR10005S	10	50	1	240	10	BR8
BR1001S	10	100	1	240	10	BR8
BR1002S	10	200	1	240	10	BR8
BR1004S	10	400	1	240	10	BR8
BR1006S	10	600	1	240	10	BR8
BR1008S	10	800	1	240	10	BR8
BR1010S	10	1000	1	240	10	BR8
GBU6005	6	50	1	175	10	GBU
GBU601	6	100	1	175	10	GBU
GBU602	6	200	1	175	10	GBU
GBU604	6	400	1	175	10	GBU
GBU606	6	600	1	175	10	GBU
GBU608	6	800	1	175	10	GBU
GBU610	6	1000	1	175	10	GBU
GBU10005	10	50	1	220	10	GBU
GBU1001	10	100	1	220	10	GBU
GBU1002	10	200	1	220	10	GBU
GBU1004	10	400	1	220	10	GBU
GBU1006	10	600	1	220	10	GBU

Diode/Rectifier
--Bridge Rectifiers

GBU1008	10	800	1	220	10	GBU
GBU1010	10	1000	1	220	10	GBU
GBPC15005	15	50	1.1	300	10	GBPC
GBPC1501	15	100	1.1	300	10	GBPC
GBPC1502	15	200	1.1	300	10	GBPC
GBPC1504	15	400	1.1	300	10	GBPC
GBPC1506	15	600	1.1	300	10	GBPC
GBPC1508	15	800	1.1	300	10	GBPC
GBPC1510	15	1000	1.1	300	10	GBPC
GBPC25005	25	50	1.1	350	10	GBPC
GBPC2501	25	100	1.1	350	10	GBPC
GBPC2502	25	200	1.1	350	10	GBPC
GBPC2504	25	400	1.1	350	10	GBPC
GBPC2506	25	600	1.1	350	10	GBPC
GBPC2508	25	800	1.1	350	10	GBPC
GBPC2510	25	1000	1.1	350	10	GBPC
GBPC35005	35	50	1.1	400	10	GBPC
GBPC3501	35	100	1.1	400	10	GBPC
GBPC3502	35	200	1.1	400	10	GBPC
GBPC3504	35	400	1.1	400	10	GBPC
GBPC3506	35	600	1.1	400	10	GBPC
GBPC3508	35	800	1.1	400	10	GBPC
GBPC3510	35	1000	1.1	400	10	GBPC
GBPC50005	50	50	1.1	450	10	GBPC
GBPC5001	50	100	1.1	450	10	GBPC
GBPC5002	50	200	1.1	450	10	GBPC
GBPC5004	50	400	1.1	450	10	GBPC
GBPC5006	50	600	1.1	450	10	GBPC
GBPC5008	50	800	1.1	450	10	GBPC
GBPC5010	50	1000	1.1	450	10	GBPC
GBPC15005W	15	50	1.1	300	10	GBPCW
GBPC1501W	15	100	1.1	300	10	GBPCW
GBPC1502W	15	200	1.1	300	10	GBPCW
GBPC1504W	15	400	1.1	300	10	GBPCW
GBPC1506W	15	600	1.1	300	10	GBPCW
GBPC1508W	15	800	1.1	300	10	GBPCW

Diode/Rectifier
--Bridge Rectifiers

GBPC1510W	15	1000	1.1	300	10	GBPCW
GBPC25005W	25	50	1.1	350	10	GBPCW
GBPC2501W	25	100	1.1	350	10	GBPCW
GBPC2502W	25	200	1.1	350	10	GBPCW
GBPC2504W	25	400	1.1	350	10	GBPCW
GBPC2506W	25	600	1.1	350	10	GBPCW
GBPC2508W	25	800	1.1	350	10	GBPCW
GBPC2510W	25	1000	1.1	350	10	GBPCW
GBPC35005W	35	50	1.1	400	10	GBPCW
GBPC3501W	35	100	1.1	400	10	GBPCW
GBPC3502W	35	200	1.1	400	10	GBPCW
GBPC3504W	35	400	1.1	400	10	GBPCW
GBPC3506W	35	600	1.1	400	10	GBPCW
GBPC3508W	35	800	1.1	400	10	GBPCW
GBPC3510W	35	1000	1.1	400	10	GBPCW
GBPC50005W	50	50	1.1	450	10	GBPCW
GBPC5001W	50	100	1.1	450	10	GBPCW
GBPC5002W	50	200	1.1	450	10	GBPCW
GBPC5004W	50	400	1.1	450	10	GBPCW
GBPC5006W	50	600	1.1	450	10	GBPCW
GBPC5008W	50	800	1.1	450	10	GBPCW
GBPC5010W	50	1000	1.1	450	10	GBPCW

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P4KE6.8	6.8	400	5.5	1000	DO-41
P4KE6.8A	6.8	400	5.8	1000	DO-41
P4KE7.5	7.5	400	6.05	500	DO-41
P4KE7.5A	7.5	400	6.4	500	DO-41
P4KE8.2	8.2	400	6.63	200	DO-41
P4KE8.2A	8.2	400	7.02	200	DO-41
P4KE9.1	9.1	400	7.37	50	DO-41
P4KE9.1A	9.1	400	7.78	50	DO-41
P4KE10	10	400	8.1	10	DO-41
P4KE10A	10	400	8.55	10	DO-41
P4KE11	11	400	8.92	5	DO-41
P4KE11A	11	400	9.4	5	DO-41
P4KE12	12	400	9.72	5	DO-41
P4KE12A	12	400	10.2	5	DO-41
P4KE13	13	400	10.5	5	DO-41
P4KE13A	13	400	11.1	5	DO-41
P4KE15	15	400	12.1	5	DO-41
P4KE15A	15	400	12.8	5	DO-41
P4KE16	16	400	12.9	5	DO-41
P4KE16A	16	400	13.6	5	DO-41
P4KE17	17	400	13.7	5	DO-41
P4KE17A	17	400	14.5	5	DO-41
P4KE18	18	400	14.5	5	DO-41
P4KE18A	18	400	15.3	5	DO-41
P4KE20	20	400	16.2	5	DO-41
P4KE20A	20	400	17.1	5	DO-41
P4KE22	22	400	17.8	5	DO-41
P4KE22A	22	400	18.8	5	DO-41
P4KE24	24	400	19.4	5	DO-41
P4KE24A	24	400	20.5	5	DO-41
P4KE27	27	400	21.8	5	DO-41
P4KE27A	27	400	23.1	5	DO-41
P4KE30	30	400	24.3	5	DO-41
P4KE30A	30	400	25.6	5	DO-41

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P4KE33	33	400	26.8	5	DO-41
P4KE33A	33	400	28.2	5	DO-41
P4KE36	36	400	29.1	5	DO-41
P4KE36A	36	400	30.8	5	DO-41
P4KE39	39	400	31.6	5	DO-41
P4KE39A	39	400	33.3	5	DO-41
P4KE43	43	400	34.8	5	DO-41
P4KE43A	43	400	36.8	5	DO-41
P4KE47	47	400	38.1	5	DO-41
P4KE47A	47	400	40.2	5	DO-41
P4KE51	51	400	41.3	5	DO-41
P4KE51A	51	400	43.6	5	DO-41
P4KE56	56	400	45.4	5	DO-41
P4KE56A	56	400	47.8	5	DO-41
P4KE62	62	400	50.2	5	DO-41
P4KE62A	62	400	53	5	DO-41
P4KE68	68	400	55.1	5	DO-41
P4KE68A	68	400	58.1	5	DO-41
P4KE75	75	400	60.7	5	DO-41
P4KE75A	75	400	64.1	5	DO-41
P4KE82	82	400	66.4	5	DO-41
P4KE82A	82	400	70.1	5	DO-41
P4KE91	91	400	73.7	5	DO-41
P4KE91A	91	400	77.8	5	DO-41
P4KE100	10	400	81	5	DO-41
P4KE100A	10	400	85.5	5	DO-41
P4KE110	11	400	89.2	5	DO-41
P4KE110A	11	400	94	5	DO-41
P4KE120	12	400	97.2	5	DO-41
P4KE120A	12	400	102	5	DO-41
P4KE130	13	400	105	5	DO-41
P4KE130A	13	400	111	5	DO-41
P4KE150	15	400	121	5	DO-41
P4KE150A	15	400	128	5	DO-41

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P4KE160	16	400	130	5	DO-41
P4KE160A	16	400	136	5	DO-41
P4KE170	17	400	138	5	DO-41
P4KE170A	17	400	145	5	DO-41
P4KE180	18	400	146	5	DO-41
P4KE180A	18	400	154	5	DO-41
P4KE200	20	400	162	5	DO-41
P4KE200A	20	400	171	5	DO-41
P4KE220	22	400	175	5	DO-41
P4KE220A	22	400	185	5	DO-41
P4KE250	25	400	202	5	DO-41
P4KE250A	25	400	214	5	DO-41
P4KE300	30	400	243	5	DO-41
P4KE300A	30	400	256	5	DO-41
P4KE350	35	400	284	5	DO-41
P4KE350A	35	400	300	5	DO-41
P4KE400	40	400	324	5	DO-41
P4KE400A	40	400	342	5	DO-41
P4KE440	44	400	356	5	DO-41
P4KE440A	44	400	376	5	DO-41
P4KE550	55	400	445	5	DO-41
P4KE550A	55	400	470	5	DO-41
P4KE6.8C	6.8	400	5.5	2000	DO-41
P4KE6.8CA	6.8	400	5.8	2000	DO-41
P4KE7.5C	7.5	400	6.05	1000	DO-41
P4KE7.5CA	7.5	400	6.4	1000	DO-41
P4KE8.2C	8.2	400	6.63	400	DO-41
P4KE8.2CA	8.2	400	7.02	400	DO-41
P4KE9.1C	9.1	400	7.37	100	DO-41
P4KE9.1CA	9.1	400	7.78	100	DO-41
P4KE10C	10	400	8.1	20	DO-41
P4KE10CA	10	400	8.55	20	DO-41
P4KE11C	11	400	8.92	10	DO-41
P4KE11CA	11	400	9.4	10	DO-41

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P4KE12C	12	400	9.72	5	DO-41
P4KE12CA	12	400	10.2	5	DO-41
P4KE13C	13	400	10.5	5	DO-41
P4KE13CA	13	400	11.1	5	DO-41
P4KE15C	15	400	12.1	5	DO-41
P4KE15CA	15	400	12.8	5	DO-41
P4KE16C	16	400	12.9	5	DO-41
P4KE16CA	16	400	13.6	5	DO-41
P4KE18C	18	400	14.5	5	DO-41
P4KE18CA	18	400	15.3	5	DO-41
P4KE20C	20	400	16.2	5	DO-41
P4KE20CA	20	400	17.1	5	DO-41
P4KE22C	22	400	17.8	5	DO-41
P4KE22CA	22	400	18.8	5	DO-41
P4KE24C	24	400	19.4	5	DO-41
P4KE24CA	24	400	20.5	5	DO-41
P4KE27C	27	400	21.8	5	DO-41
P4KE27CA	27	400	23.1	5	DO-41
P4KE30C	30	400	24.3	5	DO-41
P4KE30CA	30	400	25.6	5	DO-41
P4KE33C	33	400	26.8	5	DO-41
P4KE33CA	33	400	28.2	5	DO-41
P4KE36C	36	400	29.1	5	DO-41
P4KE36CA	36	400	30.8	5	DO-41
P4KE39C	39	400	31.6	5	DO-41
P4KE39CA	39	400	33.3	5	DO-41
P4KE43C	43	400	34.8	5	DO-41
P4KE43CA	43	400	36.8	5	DO-41
P4KE47C	47	400	38.1	5	DO-41
P4KE47CA	47	400	40.2	5	DO-41
P4KE51C	51	400	41.3	5	DO-41
P4KE51CA	51	400	43.6	5	DO-41
P4KE56C	56	400	45.4	5	DO-41
P4KE56CA	56	400	47.8	5	DO-41

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P4KE62C	62	400	50.2	5	DO-41
P4KE62CA	62	400	53	5	DO-41
P4KE68C	68	400	55.1	5	DO-41
P4KE68CA	68	400	58.1	5	DO-41
P4KE75C	75	400	60.7	5	DO-41
P4KE75CA	75	400	64.1	5	DO-41
P4KE82C	82	400	66.4	5	DO-41
P4KE82CA	82	400	70.1	5	DO-41
P4KE91C	91	400	73.7	5	DO-41
P4KE91CA	91	400	77.8	5	DO-41
P4KE100C	100	400	81	5	DO-41
P4KE100CA	100	400	85.5	5	DO-41
P4KE110C	110	400	89.2	5	DO-41
P4KE110CA	110	400	94	5	DO-41
P4KE120C	120	400	97.2	5	DO-41
P4KE120CA	120	400	102	5	DO-41
P4KE130C	130	400	105	5	DO-41
P4KE130CA	130	400	111	5	DO-41
P4KE150C	150	400	121	5	DO-41
P4KE150CA	150	400	128	5	DO-41
P4KE160C	160	400	130	5	DO-41
P4KE160CA	160	400	136	5	DO-41
P4KE170C	170	400	138	5	DO-41
P4KE170CA	170	400	145	5	DO-41
P4KE180C	180	400	146	5	DO-41
P4KE180CA	180	400	154	5	DO-41
P4KE200C	200	400	162	5	DO-41
P4KE200CA	200	400	171	5	DO-41
P4KE220C	220	400	175	5	DO-41
P4KE220CA	220	400	185	5	DO-41
P4KE250C	250	400	202	5	DO-41
P4KE250CA	250	400	214	5	DO-41
P4KE300C	300	400	243	5	DO-41
P4KE300CA	300	400	256	5	DO-41

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P4KE350C	350	400	284	5	DO-41
P4KE350CA	350	400	300	5	DO-41
P4KE400C	400	400	324	5	DO-41
P4KE400CA	400	400	342	5	DO-41
P4KE440C	440	400	356	5	DO-41
P4KE440CA	440	400	376	5	DO-41
P4SMA6.8	6.8	400	5.5	2000	SMA
P4SMA6.8A	6.8	400	5.8	2000	SMA
P4SMA7.5	7.5	400	6.05	1000	SMA
P4SMA7.5A	7.5	400	6.4	1000	SMA
P4SMA8.2	8.2	400	6.63	400	SMA
P4SMA8.2A	8.2	400	7.02	400	SMA
P4SMA9.1	9.1	400	7.37	100	SMA
P4SMA9.1A	9.1	400	7.78	100	SMA
P4SMA10	10	400	8.1	20	SMA
P4SMA10A	10	400	8.55	20	SMA
P4SMA11	11	400	8.92	10	SMA
P4SMA11A	11	400	9.4	10	SMA
P4SMA12	12	400	9.72	5	SMA
P4SMA12A	12	400	10.2	5	SMA
P4SMA13	13	400	10.5	5	SMA
P4SMA13A	13	400	11.1	5	SMA
P4SMA15	15	400	12.1	5	SMA
P4SMA15A	15	400	12.8	5	SMA
P4SMA16	16	400	12.9	5	SMA
P4SMA16A	16	400	13.6	5	SMA
P4SMA17	17	400	13.7	5	SMA
P4SMA17A	17	400	14.5	5	SMA
P4SMA18	18	400	14.5	5	SMA
P4SMA18A	18	400	15.3	5	SMA
P4SMA20	20	400	16.2	5	SMA
P4SMA20A	20	400	17.1	5	SMA
P4SMA22	22	400	17.8	5	SMA
P4SMA22A	22	400	18.8	5	SMA

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P4SMA24	24	400	19.4	5	SMA
P4SMA24A	24	400	20.5	5	SMA
P4SMA27	27	400	21.8	5	SMA
P4SMA27A	27	400	23.1	5	SMA
P4SMA30	30	400	24.3	5	SMA
P4SMA30A	30	400	25.6	5	SMA
P4SMA33	33	400	26.8	5	SMA
P4SMA33A	33	400	28.2	5	SMA
P4SMA36	36	400	29.1	5	SMA
P4SMA36A	36	400	30.8	5	SMA
P4SMA39	39	400	31.6	5	SMA
P4SMA39A	39	400	33.3	5	SMA
P4SMA43	43	400	34.8	5	SMA
P4SMA43A	43	400	36.8	5	SMA
P4SMA47	47	400	38.1	5	SMA
P4SMA47A	47	400	40.2	5	SMA
P4SMA51	51	400	41.3	5	SMA
P4SMA51A	51	400	43.6	5	SMA
P4SMA56	56	400	45.4	5	SMA
P4SMA56A	56	400	47.8	5	SMA
P4SMA62	62	400	50.2	5	SMA
P4SMA62A	62	400	53	5	SMA
P4SMA68	68	400	55.1	5	SMA
P4SMA68A	68	400	58.1	5	SMA
P4SMA75	75	400	60.7	5	SMA
P4SMA75A	75	400	64.1	5	SMA
P4SMA82	82	400	66.4	5	SMA
P4SMA82A	82	400	70.1	5	SMA
P4SMA91	91	400	73.7	5	SMA
P4SMA91A	91	400	77.8	5	SMA
P4SMA100	100	400	81	5	SMA
P4SMA100A	100	400	85.5	5	SMA
P4SMA110	110	400	89.2	5	SMA
P4SMA110A	110	400	94	5	SMA

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P4SMA120	120	400	97.2	5	SMA
P4SMA120A	120	400	102	5	SMA
P4SMA130	130	400	105	5	SMA
P4SMA130A	130	400	111	5	SMA
P4SMA150	150	400	121	5	SMA
P4SMA150A	150	400	128	5	SMA
P4SMA160	160	400	130	5	SMA
P4SMA160A	160	400	136	5	SMA
P4SMA170	170	400	138	5	SMA
P4SMA170A	170	400	145	5	SMA
P4SMA180	180	400	146	5	SMA
P4SMA180A	180	400	154	5	SMA
P4SMA200	200	400	162	5	SMA
P4SMA200A	200	400	171	5	SMA
P4SMA220	220	400	175	5	SMA
P4SMA220A	220	400	185	5	SMA
P4SMA250	250	400	202	5	SMA
P4SMA250A	250	400	214	5	SMA
P4SMA300	300	400	243	5	SMA
P4SMA300A	300	400	256	5	SMA
P4SMA350	350	400	284	5	SMA
P4SMA350A	350	400	300	5	SMA
P4SMA400	400	400	324	5	SMA
P4SMA400A	400	400	342	5	SMA
P4SMA440	440	400	356	5	SMA
P4SMA440A	440	400	376	5	SMA
P4SMA6.8C	6.8	400	5.5	2000	SMA
P4SMA6.8CA	6.8	400	5.8	2000	SMA
P4SMA7.5C	7.5	400	6.05	1000	SMA
P4SMA7.5CA	7.5	400	6.4	1000	SMA
P4SMA8.2C	8.2	400	6.63	400	SMA
P4SMA8.2CA	8.2	400	7.02	400	SMA
P4SMA9.1C	9.1	400	7.37	100	SMA
P4SMA9.1CA	9.1	400	7.78	100	SMA

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P4SMA10C	10	400	8.1	20	SMA
P4SMA10CA	10	400	8.55	20	SMA
P4SMA11C	11	400	8.92	10	SMA
P4SMA11CA	11	400	9.4	10	SMA
P4SMA12C	12	400	9.72	5	SMA
P4SMA12CA	12	400	10.2	5	SMA
P4SMA13C	13	400	10.5	5	SMA
P4SMA13CA	13	400	11.1	5	SMA
P4SMA15C	15	400	12.1	5	SMA
P4SMA15CA	15	400	12.8	5	SMA
P4SMA16C	16	400	12.9	5	SMA
P4SMA16CA	16	400	13.6	5	SMA
P4SMA17C	17	400	13.7	5	SMA
P4SMA17CA	17	400	14.5	5	SMA
P4SMA18C	18	400	14.5	5	SMA
P4SMA18CA	18	400	15.3	5	SMA
P4SMA20C	20	400	16.2	5	SMA
P4SMA20CA	20	400	17.1	5	SMA
P4SMA22C	22	400	17.8	5	SMA
P4SMA22CA	22	400	18.8	5	SMA
P4SMA24C	24	400	19.4	5	SMA
P4SMA24CA	24	400	20.5	5	SMA
P4SMA27C	27	400	21.8	5	SMA
P4SMA27CA	27	400	23.1	5	SMA
P4SMA30C	30	400	24.3	5	SMA
P4SMA30CA	30	400	25.6	5	SMA
P4SMA33C	33	400	26.8	5	SMA
P4SMA33CA	33	400	28.2	5	SMA
P4SMA36C	36	400	29.1	5	SMA
P4SMA36CA	36	400	30.8	5	SMA
P4SMA39C	39	400	31.6	5	SMA
P4SMA39CA	39	400	33.3	5	SMA
P4SMA43C	43	400	34.8	5	SMA
P4SMA43CA	43	400	36.8	5	SMA

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P4SMA47C	47	400	38.1	5	SMA
P4SMA47CA	47	400	40.2	5	SMA
P4SMA51C	51	400	41.3	5	SMA
P4SMA51CA	51	400	43.6	5	SMA
P4SMA56C	56	400	45.4	5	SMA
P4SMA56CA	56	400	47.8	5	SMA
P4SMA62C	62	400	50.2	5	SMA
P4SMA62CA	62	400	53	5	SMA
P4SMA68C	68	400	55.1	5	SMA
P4SMA68CA	68	400	58.1	5	SMA
P4SMA75C	75	400	60.7	5	SMA
P4SMA75CA	75	400	64.1	5	SMA
P4SMA82C	82	400	66.4	5	SMA
P4SMA82CA	82	400	70.1	5	SMA
P4SMA91C	91	400	73.7	5	SMA
P4SMA91CA	91	400	77.8	5	SMA
P4SMA100C	100	400	81	5	SMA
P4SMA100CA	100	400	85.5	5	SMA
P4SMA110C	110	400	89.2	5	SMA
P4SMA110CA	110	400	94	5	SMA
P4SMA120C	120	400	97.2	5	SMA
P4SMA120CA	120	400	102	5	SMA
P4SMA130C	130	400	105	5	SMA
P4SMA130CA	130	400	111	5	SMA
P4SMA150C	150	400	121	5	SMA
P4SMA150CA	150	400	128	5	SMA
P4SMA160C	160	400	130	5	SMA
P4SMA160CA	160	400	136	5	SMA
P4SMA170C	170	400	138	5	SMA
P4SMA170CA	170	400	145	5	SMA
P4SMA180C	180	400	146	5	SMA
P4SMA180CA	180	400	154	5	SMA
P4SMA200C	200	400	162	5	SMA
P4SMA200CA	200	400	171	5	SMA

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P4SMA220C	220	400	175	5	SMA
P4SMA220CA	220	400	185	5	SMA
P4SMA250C	250	400	202	5	SMA
P4SMA250CA	250	400	214	5	SMA
P4SMA300C	300	400	243	5	SMA
P4SMA300CA	300	400	256	5	SMA
P4SMA350C	350	400	284	5	SMA
P4SMA350CA	350	400	300	5	SMA
P4SMA400C	400	400	324	5	SMA
P4SMA400CA	400	400	342	5	SMA
P4SMA440C	440	400	356	5	SMA
P4SMA440CA	440	400	376	5	SMA
P6KE6.8	6.8	600	5.5	1000	DO-15
P6KE6.8A	6.8	600	5.8	1000	DO-15
P6KE7.5	7.5	600	6.05	500	DO-15
P6KE7.5A	7.5	600	6.4	500	DO-15
P6KE8.2	8.2	600	6.63	200	DO-15
P6KE8.2A	8.2	600	7.02	200	DO-15
P6KE8.5	8.5	600	6.89	200	DO-15
P6KE8.5A	8.5	600	7.27	200	DO-15
P6KE9.1	9.1	600	7.37	150	DO-15
P6KE9.1A	9.1	600	7.78	150	DO-15
P6KE10	10	600	8.1	150	DO-15
P6KE10A	10	600	8.55	150	DO-15
P6KE11	11	600	8.92	150	DO-15
P6KE11A	11	600	9.4	150	DO-15
P6KE12	12	600	9.72	5	DO-15
P6KE12A	12	600	10.2	5	DO-15
P6KE13	13	600	10.5	5	DO-15
P6KE13A	13	600	11.1	5	DO-15
P6KE15	15	600	12.1	5	DO-15
P6KE15A	15	600	12.8	5	DO-15
P6KE16	16	600	12.9	5	DO-15
P6KE16A	16	600	13.6	5	DO-15

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P6KE18	18	600	14.5	5	DO-15
P6KE18A	18	600	15.3	5	DO-15
P6KE20	20	600	16.2	5	DO-15
P6KE20A	20	600	17.1	5	DO-15
P6KE22	22	600	17.8	5	DO-15
P6KE22A	22	600	18.8	5	DO-15
P6KE24	24	600	19.4	5	DO-15
P6KE24A	24	600	20.5	5	DO-15
P6KE27	27	600	21.8	5	DO-15
P6KE27A	27	600	23.1	5	DO-15
P6KE28	28	600	22.7	5	DO-15
P6KE28A	28	600	23.9	5	DO-15
P6KE30	30	600	24.3	5	DO-15
P6KE30A	30	600	25.6	5	DO-15
P6KE33	33	600	26.8	5	DO-15
P6KE33A	33	600	28.2	5	DO-15
P6KE36	36	600	29.1	5	DO-15
P6KE36A	36	600	30.8	5	DO-15
P6KE39	39	600	31.6	5	DO-15
P6KE39A	39	600	33.3	5	DO-15
P6KE43	43	600	34.8	5	DO-15
P6KE43A	43	600	36.8	5	DO-15
P6KE47	47	600	38.1	5	DO-15
P6KE47A	47	600	40.2	5	DO-15
P6KE51	51	600	41.3	5	DO-15
P6KE51A	51	600	43.6	5	DO-15
P6KE56	56	600	45.4	5	DO-15
P6KE56A	56	600	47.8	5	DO-15
P6KE62	62	600	50.2	5	DO-15
P6KE62A	62	600	53	5	DO-15
P6KE68	68	600	55.1	5	DO-15
P6KE68A	68	600	58.1	5	DO-15
P6KE75	75	600	60.7	5	DO-15
P6KE75A	75	600	64.1	5	DO-15

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P6KE82	82	600	66.4	5	DO-15
P6KE82A	82	600	70.1	5	DO-15
P6KE91	91	600	73.7	5	DO-15
P6KE91A	91	600	77.8	5	DO-15
P6KE100	100	600	81	5	DO-15
P6KE100A	100	600	85.5	5	DO-15
P6KE110	110	600	89.2	5	DO-15
P6KE110A	110	600	94	5	DO-15
P6KE120	120	600	97.2	5	DO-15
P6KE120A	120	600	102	5	DO-15
P6KE130	130	600	106	5	DO-15
P6KE130A	130	600	111	5	DO-15
P6KE150	150	600	121	5	DO-15
P6KE150A	150	600	128	5	DO-15
P6KE160	160	600	130	5	DO-15
P6KE160A	160	600	136	5	DO-15
P6KE170	170	600	138	5	DO-15
P6KE170A	170	600	145	5	DO-15
P6KE180	180	600	146	5	DO-15
P6KE180A	180	600	154	5	DO-15
P6KE200	200	600	162	5	DO-15
P6KE200A	200	600	171	5	DO-15
P6KE220	220	600	175	5	DO-15
P6KE220A	220	600	185	5	DO-15
P6KE250	250	600	202	5	DO-15
P6KE250A	250	600	214	5	DO-15
P6KE300	300	600	243	5	DO-15
P6KE300A	300	600	256	5	DO-15
P6KE320	320	600	259	5	DO-15
P6KE320A	320	600	272	5	DO-15
P6KE350	350	600	284	5	DO-15
P6KE350A	350	600	300	5	DO-15
P6KE400	400	600	324	5	DO-15
P6KE400A	400	600	342	5	DO-15

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P6KE440	440	600	356	5	DO-15
P6KE440A	440	600	376	5	DO-15
P6KE480	480	600	389	5	DO-15
P6KE480A	480	600	408	5	DO-15
P6KE510	510	600	413	5	DO-15
P6KE510A	510	600	434	5	DO-15
P6KE530	530	600	457	5	DO-15
P6KE530A	530	600	477	5	DO-15
P6KE540	540	600	437	5	DO-15
P6KE540A	540	600	459	5	DO-15
P6KE550	550	600	470	5	DO-15
P6KE550A	550	600	495	5	DO-15
P6KE600	600	600	490	5	DO-15
P6KE600A	600	600	512	5	DO-15
P6KE6.8C	6.8	600	5.5	2000	DO-15
P6KE6.8CA	6.8	600	5.8	2000	DO-15
P6KE7.5C	7.5	600	6.05	1000	DO-15
P6KE7.5CA	7.5	600	6.4	1000	DO-15
P6KE8.2C	8.2	600	6.63	400	DO-15
P6KE8.2CA	8.2	600	7.02	400	DO-15
P6KE9.1C	9.1	600	7.37	300	DO-15
P6KE9.1CA	9.1	600	7.78	300	DO-15
P6KE10C	10	600	8.1	300	DO-15
P6KE10CA	10	600	8.55	300	DO-15
P6KE11C	11	600	8.92	150	DO-15
P6KE11CA	11	600	9.4	150	DO-15
P6KE12C	12	600	9.72	5	DO-15
P6KE12CA	12	600	10.2	5	DO-15
P6KE13C	13	600	10.5	5	DO-15
P6KE13CA	13	600	11.1	5	DO-15
P6KE15C	15	600	12.1	5	DO-15
P6KE15CA	15	600	12.8	5	DO-15
P6KE16C	16	600	12.9	5	DO-15
P6KE16CA	16	600	13.6	5	DO-15

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P6KE18C	18	600	14.5	5	DO-15
P6KE18CA	18	600	15.3	5	DO-15
P6KE20C	20	600	16.2	5	DO-15
P6KE20CA	20	600	17.1	5	DO-15
P6KE22C	22	600	17.8	5	DO-15
P6KE22CA	22	600	18.8	5	DO-15
P6KE24C	24	600	19.4	5	DO-15
P6KE24CA	24	600	20.5	5	DO-15
P6KE27C	27	600	21.8	5	DO-15
P6KE27CA	27	600	23.1	5	DO-15
P6KE30C	30	600	24.3	5	DO-15
P6KE30CA	30	600	25.6	5	DO-15
P6KE33C	33	600	26.8	5	DO-15
P6KE33CA	33	600	28.2	5	DO-15
P6KE36C	36	600	29.1	5	DO-15
P6KE36CA	36	600	30.8	5	DO-15
P6KE39C	39	600	31.6	5	DO-15
P6KE39CA	39	600	33.3	5	DO-15
P6KE43C	43	600	34.8	5	DO-15
P6KE43CA	43	600	36.8	5	DO-15
P6KE47C	47	600	38.1	5	DO-15
P6KE47CA	47	600	40.2	5	DO-15
P6KE51C	51	600	41.3	5	DO-15
P6KE51CA	51	600	43.6	5	DO-15
P6KE56C	56	600	45.4	5	DO-15
P6KE56CA	56	600	47.8	5	DO-15
P6KE62C	62	600	50.2	5	DO-15
P6KE62CA	62	600	53	5	DO-15
P6KE68C	68	600	55.1	5	DO-15
P6KE68CA	68	600	58.1	5	DO-15
P6KE70C	70	600	56.7	5	DO-15
P6KE70CA	70	600	59.8	5	DO-15
P6KE75C	75	600	60.7	5	DO-15
P6KE75CA	75	600	64.1	5	DO-15

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P6KE82C	82	600	66.4	5	DO-15
P6KE82CA	82	600	70.1	5	DO-15
P6KE91C	91	600	73.7	5	DO-15
P6KE91CA	91	600	77.8	5	DO-15
P6KE100C	100	600	81	5	DO-15
P6KE100CA	100	600	85.5	5	DO-15
P6KE110C	110	600	89.2	5	DO-15
P6KE110CA	110	600	94	5	DO-15
P6KE120C	120	600	97.2	5	DO-15
P6KE120CA	120	600	102	5	DO-15
P6KE130C	130	600	106	5	DO-15
P6KE130CA	130	600	111	5	DO-15
P6KE150C	150	600	121	5	DO-15
P6KE150CA	150	600	128	5	DO-15
P6KE160C	160	600	130	5	DO-15
P6KE160CA	160	600	136	5	DO-15
P6KE170C	170	600	138	5	DO-15
P6KE170CA	170	600	145	5	DO-15
P6KE180C	180	600	146	5	DO-15
P6KE180CA	180	600	154	5	DO-15
P6KE200C	200	600	162	5	DO-15
P6KE200CA	200	600	171	5	DO-15
P6KE220C	220	600	175	5	DO-15
P6KE220CA	220	600	185	5	DO-15
P6KE250C	250	600	202	5	DO-15
P6KE250CA	250	600	214	5	DO-15
P6KE300C	300	600	243	5	DO-15
P6KE300CA	300	600	256	5	DO-15
P6KE320C	320	600	259	5	DO-15
P6KE320CA	320	600	272	5	DO-15
P6KE350C	350	600	284	5	DO-15
P6KE350CA	350	600	300	5	DO-15
P6KE400C	400	600	324	5	DO-15
P6KE400CA	400	600	342	5	DO-15

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P6KE440C	440	600	356	5	DO-15
P6KE440CA	440	600	376	5	DO-15
P6KE480C	480	600	389	5	DO-15
P6KE480CA	480	600	408	5	DO-15
P6KE510C	510	600	413	5	DO-15
P6KE510CA	510	600	434	5	DO-15
P6KE530C	530	600	457	5	DO-15
P6KE530CA	530	600	477	5	DO-15
P6KE540C	540	600	437	5	DO-15
P6KE540CA	540	600	459	5	DO-15
P6KE550C	550	600	470	5	DO-15
P6KE550CA	550	600	495	5	DO-15
P6KE600C	600	600	490	5	DO-15
P6KE600CA	600	600	512	5	DO-15
P6SMB6.8A	6.8	600	5.8	1000	SMB
P6SMB7.5A	7.5	600	6.4	500	SMB
P6SMB8.2A	8.2	600	7.02	200	SMB
P6SMB9.1A	9.1	600	7.78	50	SMB
P6SMB10A	10	600	8.55	10	SMB
P6SMB11A	11	600	9.4	5	SMB
P6SMB12A	12	600	10.2	5	SMB
P6SMB13A	13	600	11.1	5	SMB
P6SMB15A	15	600	12.8	5	SMB
P6SMB16A	16	600	13.6	5	SMB
P6SMB18A	18	600	15.3	5	SMB
P6SMB20A	20	600	17.1	5	SMB
P6SMB22A	22	600	18.8	5	SMB
P6SMB24A	24	600	20.5	5	SMB
P6SMB27A	27	600	23.1	5	SMB
P6SMB30A	30	600	25.6	5	SMB
P6SMB33A	33	600	28.2	5	SMB
P6SMB36A	36	600	30.8	5	SMB
P6SMB39A	39	600	33.3	5	SMB
P6SMB43A	43	600	36.8	5	SMB

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P6SMB47A	47	600	40.2	5	SMB
P6SMB51A	51	600	43.6	5	SMB
P6SMB56A	56	600	47.8	5	SMB
P6SMB62A	62	600	53	5	SMB
P6SMB68A	68	600	58.1	5	SMB
P6SMB75A	75	600	64.1	5	SMB
P6SMB82A	82	600	70.1	5	SMB
P6SMB91A	91	600	77.8	5	SMB
P6SMB100A	100	600	85.5	5	SMB
P6SMB110A	110	600	94	5	SMB
P6SMB120A	120	600	102	5	SMB
P6SMB130A	130	600	111	5	SMB
P6SMB150A	150	600	128	5	SMB
P6SMB160A	160	600	136	5	SMB
P6SMB170A	170	600	145	5	SMB
P6SMB180A	180	600	154	5	SMB
P6SMB200A	200	600	171	5	SMB
P6SMB220A	220	600	185	5	SMB
P6SMB250A	250	600	214	5	SMB
P6SMB300A	300	600	256	5	SMB
P6SMB350A	350	600	300	5	SMB
P6SMB400A	400	600	342	5	SMB
P6SMB440A	440	600	376	5	SMB
P6SMB6.8CA	6.8	600	5.8	2000	SMB
P6SMB7.5CA	7.5	600	6.4	1000	SMB
P6SMB8.2CA	8.2	600	7.02	400	SMB
P6SMB9.1CA	9.1	600	7.78	100	SMB
P6SMB10CA	10	600	8.55	20	SMB
P6SMB11CA	11	600	9.4	5	SMB
P6SMB12CA	12	600	10.2	5	SMB
P6SMB13CA	13	600	11.1	5	SMB
P6SMB15CA	15	600	12.8	5	SMB
P6SMB16CA	16	600	13.6	5	SMB
P6SMB18CA	18	600	15.3	5	SMB

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
P6SMB20CA	20	600	17.1	5	SMB
P6SMB22CA	22	600	18.8	5	SMB
P6SMB24CA	24	600	20.5	5	SMB
P6SMB27CA	27	600	23.1	5	SMB
P6SMB30CA	30	600	25.6	5	SMB
P6SMB33CA	33	600	28.2	5	SMB
P6SMB36CA	36	600	30.8	5	SMB
P6SMB39CA	39	600	33.3	5	SMB
P6SMB43CA	43	600	36.8	5	SMB
P6SMB47CA	47	600	40.2	5	SMB
P6SMB51CA	51	600	43.6	5	SMB
P6SMB56CA	56	600	47.8	5	SMB
P6SMB62CA	62	600	53	5	SMB
P6SMB68CA	68	600	58.1	5	SMB
P6SMB75CA	75	600	64.1	5	SMB
P6SMB82CA	82	600	70.1	5	SMB
P6SMB91CA	91	600	77.8	5	SMB
P6SMB100CA	100	600	85.5	5	SMB
P6SMB110CA	110	600	94	5	SMB
P6SMB120CA	120	600	102	5	SMB
P6SMB130CA	130	600	111	5	SMB
P6SMB150CA	150	600	128	5	SMB
P6SMB160CA	160	600	136	5	SMB
P6SMB170CA	170	600	145	5	SMB
P6SMB180CA	180	600	154	5	SMB
P6SMB200CA	200	600	171	5	SMB
P6SMB220CA	220	600	185	5	SMB
P6SMB250CA	250	600	214	5	SMB
P6SMB300CA	300	600	256	5	SMB
P6SMB350CA	350	600	300	5	SMB
P6SMB400CA	400	600	342	5	SMB
P6SMB440CA	440	600	376	5	SMB
SMBJ5.0	7.1	600	5	800	SMB
SMBJ5.0A	6.7	600	5	800	SMB

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
SMBJ6.0	7.4	600	6	800	SMB
SMBJ6.0A	7	600	6	800	SMB
SMBJ6.5	8	600	6.5	500	SMB
SMBJ6.5A	7.6	600	6.5	500	SMB
SMBJ7.0	8.6	600	7	200	SMB
SMBJ7.0A	8.2	600	7	200	SMB
SMBJ7.5	9.3	600	7.5	100	SMB
SMBJ7.5A	8.8	600	7.5	100	SMB
SMBJ8.0	9.9	600	8	50	SMB
SMBJ8.0A	9.4	600	8	50	SMB
SMBJ8.5	10.5	600	8.5	10	SMB
SMBJ8.5A	9.9	600	8.5	10	SMB
SMBJ9.0	11.1	600	9	5	SMB
SMBJ9.0A	10.6	600	9	5	SMB
SMBJ10	12.4	600	10	1	SMB
SMBJ10A	11.7	600	10	1	SMB
SMBJ11	13.6	600	11	1	SMB
SMBJ11A	12.9	600	11	1	SMB
SMBJ12	14.8	600	12	1	SMB
SMBJ12A	14	600	12	1	SMB
SMBJ13	16	600	13	1	SMB
SMBJ13A	15.2	600	13	1	SMB
SMBJ14	17.4	600	14	1	SMB
SMBJ14A	16.4	600	14	1	SMB
SMBJ15	18.6	600	15	1	SMB
SMBJ15A	17.6	600	15	1	SMB
SMBJ16	19.8	600	16	1	SMB
SMBJ16A	18.8	600	16	1	SMB
SMBJ17	21	600	17	1	SMB
SMBJ17A	19.9	600	17	1	SMB
SMBJ18	22.2	600	18	1	SMB
SMBJ18A	21.1	600	18	1	SMB
SMBJ20	24.7	600	20	1	SMB
SMBJ20A	23.4	600	20	1	SMB

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
SMBJ22	27.1	600	22	1	SMB
SMBJ22A	25.7	600	22	1	SMB
SMBJ24	29.7	600	24	1	SMB
SMBJ24A	28.1	600	24	1	SMB
SMBJ26	32.1	600	26	1	SMB
SMBJ26A	30.4	600	26	1	SMB
SMBJ28	34.6	600	28	1	SMB
SMBJ28A	32.8	600	28	1	SMB
SMBJ30	37	600	30	1	SMB
SMBJ30A	35.1	600	30	1	SMB
SMBJ33	40.8	600	33	1	SMB
SMBJ33A	38.7	600	33	1	SMB
SMBJ36	44.5	600	36	1	SMB
SMBJ36A	42.1	600	36	1	SMB
SMBJ40	49.4	600	40	1	SMB
SMBJ40A	46.8	600	40	1	SMB
SMBJ43	53.1	600	43	1	SMB
SMBJ43A	50.3	600	43	1	SMB
SMBJ45	55.6	600	45	1	SMB
SMBJ45A	52.7	600	45	1	SMB
SMBJ48	59.2	600	48	1	SMB
SMBJ48A	56.1	600	48	1	SMB
SMBJ51	63	600	51	1	SMB
SMBJ51A	59.7	600	51	1	SMB
SMBJ54	66.7	600	54	1	SMB
SMBJ54A	63.2	600	54	1	SMB
SMBJ58	71.6	600	58	1	SMB
SMBJ58A	67.8	600	58	1	SMB
SMBJ60	74.1	600	60	1	SMB
SMBJ60A	70.2	600	60	1	SMB
SMBJ64	79	600	64	1	SMB
SMBJ64A	74.9	600	64	1	SMB
SMBJ70	86.5	600	70	1	SMB
SMBJ70A	81.9	600	70	1	SMB

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
SMBJ75	92.7	600	75	1	SMB
SMBJ75A	87.7	600	75	1	SMB
SMBJ78	96.4	600	78	1	SMB
SMBJ78A	91.3	600	78	1	SMB
SMBJ85	104.7	600	85	1	SMB
SMBJ85A	99.2	600	85	1	SMB
SMBJ90	111	600	90	1	SMB
SMBJ90A	105.5	600	90	1	SMB
SMBJ100	123.5	600	100	1	SMB
SMBJ100A	117	600	100	1	SMB
SMBJ110	135.5	600	110	1	SMB
SMBJ110A	128.5	600	110	1	SMB
SMBJ120	148	600	120	1	SMB
SMBJ120A	140	600	120	1	SMB
SMBJ130	160	600	130	1	SMB
SMBJ130A	151.5	600	130	1	SMB
SMBJ150	185.5	600	150	1	SMB
SMBJ150A	176	600	150	1	SMB
SMBJ160	198	600	160	1	SMB
SMBJ160A	187.5	600	160	1	SMB
SMBJ170	210	600	170	1	SMB
SMBJ170A	199	600	170	1	SMB
SMBJ188	232	600	188	1	SMB
SMBJ188A	220	600	188	1	SMB
1.5KE6.8	6.8	1500	5.5	1000	DO-201AD
1.5KE6.8A	6.8	1500	5.8	1000	DO-201AD
1.5KE7.5	7.5	1500	6.05	500	DO-201AD
1.5KE7.5A	7.5	1500	6.4	500	DO-201AD
1.5KE8.2	8.2	1500	6.63	200	DO-201AD
1.5KE8.2A	8.2	1500	7.02	200	DO-201AD
1.5KE9.1	9.1	1500	7.37	50	DO-201AD
1.5KE9.1A	9.1	1500	7.78	50	DO-201AD
1.5KE10	10	1500	8.1	10	DO-201AD
1.5KE10A	10	1500	8.55	10	DO-201AD

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
1.5KE11	11	1500	8.92	5	DO-201AD
1.5KE11A	11	1500	9.4	5	DO-201AD
1.5KE12	12	1500	9.72	5	DO-201AD
1.5KE12A	12	1500	10.2	5	DO-201AD
1.5KE13	13	1500	10.5	5	DO-201AD
1.5KE13A	13	1500	11.1	5	DO-201AD
1.5KE15	15	1500	12.1	5	DO-201AD
1.5KE15A	15	1500	12.8	5	DO-201AD
1.5KE16	16	1500	12.9	5	DO-201AD
1.5KE16A	16	1500	13.6	5	DO-201AD
1.5KE18	18	1500	14.5	5	DO-201AD
1.5KE18A	18	1500	15.3	5	DO-201AD
1.5KE20	20	1500	16.2	5	DO-201AD
1.5KE20A	20	1500	17.1	5	DO-201AD
1.5KE22	22	1500	17.8	5	DO-201AD
1.5KE22A	22	1500	18.8	5	DO-201AD
1.5KE24	24	1500	19.4	5	DO-201AD
1.5KE24A	24	1500	20.5	5	DO-201AD
1.5KE27	27	1500	21.8	5	DO-201AD
1.5KE27A	27	1500	23.1	5	DO-201AD
1.5KE30	30	1500	24.3	5	DO-201AD
1.5KE30A	30	1500	25.6	5	DO-201AD
1.5KE33	33	1500	26.8	5	DO-201AD
1.5KE33A	33	1500	28.2	5	DO-201AD
1.5KE36	36	1500	29.1	5	DO-201AD
1.5KE36A	36	1500	30.8	5	DO-201AD
1.5KE39	39	1500	31.6	5	DO-201AD
1.5KE39A	39	1500	33.3	5	DO-201AD
1.5KE43	43	1500	34.8	5	DO-201AD
1.5KE43A	43	1500	36.8	5	DO-201AD
1.5KE47	47	1500	38.1	5	DO-201AD
1.5KE47A	47	1500	40.2	5	DO-201AD
1.5KE51	51	1500	41.3	5	DO-201AD
1.5KE51A	51	1500	43.6	5	DO-201AD

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
1.5KE56	56	1500	45.4	5	DO-201AD
1.5KE56A	56	1500	47.8	5	DO-201AD
1.5KE62	62	1500	50.2	5	DO-201AD
1.5KE62A	62	1500	53	5	DO-201AD
1.5KE68	68	1500	55.1	5	DO-201AD
1.5KE68A	68	1500	58.1	5	DO-201AD
1.5KE75	75	1500	60.7	5	DO-201AD
1.5KE75A	75	1500	64.1	5	DO-201AD
1.5KE82	82	1500	66.4	5	DO-201AD
1.5KE82A	82	1500	70.1	5	DO-201AD
1.5KE91L	91	1500	73.7	5	DO-201AD
1.5KE91A	91	1500	77.8	5	DO-201AD
1.5KE100	100	1500	81	5	DO-201AD
1.5KE100A	100	1500	85.5	5	DO-201AD
1.5KE110	110	1500	89.2	5	DO-201AD
1.5KE110A	110	1500	94	5	DO-201AD
1.5KE120	120	1500	97.2	5	DO-201AD
1.5KE120A	120	1500	102	5	DO-201AD
1.5KE130	130	1500	105	5	DO-201AD
1.5KE130A	130	1500	111	5	DO-201AD
1.5KE150	150	1500	121	5	DO-201AD
1.5KE150A	150	1500	128	5	DO-201AD
1.5KE160	160	1500	130	5	DO-201AD
1.5KE160A	160	1500	136	5	DO-201AD
1.5KE170	170	1500	138	5	DO-201AD
1.5KE170A	170	1500	145	5	DO-201AD
1.5KE180	180	1500	146	5	DO-201AD
1.5KE180A	180	1500	154	5	DO-201AD
1.5KE200	200	1500	162	5	DO-201AD
1.5KE200A	200	1500	171	5	DO-201AD
1.5KE220	220	1500	175	5	DO-201AD
1.5KE220A	220	1500	185	5	DO-201AD
1.5KE250	250	1500	202	5	DO-201AD
1.5KE250A	250	1500	214	5	DO-201AD

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
1.5KE300	300	1500	243	5	DO-201AD
1.5KE300A	300	1500	256	5	DO-201AD
1.5KE350	350	1500	284	5	DO-201AD
1.5KE350A	350	1500	300	5	DO-201AD
1.5KE400	400	1500	324	5	DO-201AD
1.5KE400A	400	1500	342	5	DO-201AD
1.5KE440	440	1500	356	5	DO-201AD
1.5KE440A	440	1500	376	5	DO-201AD
1.5KE6.8C	6.8	1500	5.5	2000	DO-201AD
1.5KE6.8CA	6.8	1500	5.8	2000	DO-201AD
1.5KE7.5C	7.5	1500	6.05	1000	DO-201AD
1.5KE7.5CA	7.5	1500	6.4	1000	DO-201AD
1.5KE8.2C	8.2	1500	6.63	400	DO-201AD
1.5KE8.2CA	8.2	1500	7.02	400	DO-201AD
1.5KE9.1C	9.1	1500	7.37	100	DO-201AD
1.5KE9.1CA	9.1	1500	7.78	100	DO-201AD
1.5KE10C	10	1500	8.1	20	DO-201AD
1.5KE10CA	10	1500	8.55	20	DO-201AD
1.5KE11C	11	1500	8.92	5	DO-201AD
1.5KE11CA	11	1500	9.4	5	DO-201AD
1.5KE12C	12	1500	9.72	5	DO-201AD
1.5KE12CA	12	1500	10.2	5	DO-201AD
1.5KE13C	13	1500	10.5	5	DO-201AD
1.5KE13CA	13	1500	11.1	5	DO-201AD
1.5KE15C	15	1500	12.1	1	DO-201AD
1.5KE15CA	15	1500	12.8	1	DO-201AD
1.5KE16C	16	1500	12.9	1	DO-201AD
1.5KE16CA	16	1500	13.6	1	DO-201AD
1.5KE18C	18	1500	14.5	1	DO-201AD
1.5KE18CA	18	1500	15.3	1	DO-201AD
1.5KE20C	20	1500	16.2	1	DO-201AD
1.5KE20CA	20	1500	17.1	1	DO-201AD
1.5KE22C	22	1500	17.8	1	DO-201AD
1.5KE22CA	22	1500	18.8	1	DO-201AD

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
1.5KE24C	24	1500	19.4	1	DO-201AD
1.5KE24CA	24	1500	20.5	1	DO-201AD
1.5KE27C	27	1500	21.8	1	DO-201AD
1.5KE27CA	27	1500	23.1	1	DO-201AD
1.5KE30C	30	1500	24.3	1	DO-201AD
1.5KE30CA	30	1500	25.6	1	DO-201AD
1.5KE33C	33	1500	26.8	1	DO-201AD
1.5KE33CA	33	1500	28.2	1	DO-201AD
1.5KE36C	36	1500	29.1	1	DO-201AD
1.5KE36CA	36	1500	30.8	1	DO-201AD
1.5KE39C	39	1500	31.6	1	DO-201AD
1.5KE39CA	39	1500	33.3	1	DO-201AD
1.5KE43C	43	1500	34.8	1	DO-201AD
1.5KE43CA	43	1500	36.8	1	DO-201AD
1.5KE47C	47	1500	38.1	1	DO-201AD
1.5KE47CA	47	1500	40.2	1	DO-201AD
1.5KE51C	51	1500	41.3	1	DO-201AD
1.5KE51CA	51	1500	43.6	1	DO-201AD
1.5KE56C	56	1500	45.4	1	DO-201AD
1.5KE56CA	56	1500	47.8	1	DO-201AD
1.5KE62C	62	1500	50.2	1	DO-201AD
1.5KE62CA	62	1500	53	1	DO-201AD
1.5KE68C	68	1500	55.1	1	DO-201AD
1.5KE68CA	68	1500	58.1	1	DO-201AD
1.5KE75C	75	1500	60.7	1	DO-201AD
1.5KE75CA	75	1500	64.1	1	DO-201AD
1.5KE82C	82	1500	66.4	1	DO-201AD
1.5KE82CA	82	1500	70.1	1	DO-201AD
1.5KE91C	91	1500	73.7	1	DO-201AD
1.5KE91CA	91	1500	77.8	1	DO-201AD
1.5KE100C	100	1500	81	1	DO-201AD
1.5KE100CA	100	1500	85.5	1	DO-201AD
1.5KE110C	110	1500	89.2	1	DO-201AD
1.5KE110CA	110	1500	94	1	DO-201AD

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
1.5KE120C	120	1500	97.2	1	DO-201AD
1.5KE120CA	120	1500	102	1	DO-201AD
1.5KE130C	130	1500	105	1	DO-201AD
1.5KE130CA	130	1500	111	1	DO-201AD
1.5KE150C	150	1500	121	1	DO-201AD
1.5KE150CA	150	1500	128	1	DO-201AD
1.5KE160C	160	1500	130	1	DO-201AD
1.5KE160CA	160	1500	136	1	DO-201AD
1.5KE170C	170	1500	138	1	DO-201AD
1.5KE170CA	170	1500	145	1	DO-201AD
1.5KE180C	180	1500	146	1	DO-201AD
1.5KE180CA	180	1500	154	1	DO-201AD
1.5KE200C	200	1500	162	1	DO-201AD
1.5KE200CA	200	1500	171	1	DO-201AD
1.5KE220C	220	1500	175	1	DO-201AD
1.5KE220CA	220	1500	185	1	DO-201AD
1.5KE250C	250	1500	202	1	DO-201AD
1.5KE250CA	250	1500	214	1	DO-201AD
1.5KE300C	300	1500	243	1	DO-201AD
1.5KE300CA	300	1500	256	1	DO-201AD
1.5KE350C	350	1500	284	1	DO-201AD
1.5KE350CA	350	1500	300	1	DO-201AD
1.5KE400C	400	1500	324	1	DO-201AD
1.5KE400CA	400	1500	342	1	DO-201AD
1.5KE440C	440	1500	356	1	DO-201AD
1.5KE440CA	440	1500	376	1	DO-201AD
1SMC5.0A	6.7	1500	5	1000	SMC
1SMC6.0A	7	1500	6	1000	SMC
1SMC6.5A	7.6	1500	6.5	500	SMC
1SMC7.0A	8.2	1500	7	200	SMC
1SMC7.5A	8.8	1500	7.5	100	SMC
1SMC8.0A	9.4	1500	8	50	SMC
1SMC8.5A	9.9	1500	8.5	20	SMC
1SMC9.0A	10.6	1500	9	10	SMC

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
1SMC10A	11.7	1500	10	5	SMC
1SMC11A	12.9	1500	11	5	SMC
1SMC12A	14	1500	12	5	SMC
1SMC13A	15.2	1500	13	5	SMC
1SMC14A	16.4	1500	14	5	SMC
1SMC15A	17.6	1500	15	5	SMC
1SMC16A	18.8	1500	16	5	SMC
1SMC17A	19.9	1500	17	5	SMC
1SMC18A	21.1	1500	18	5	SMC
1SMC20A	23.4	1500	20	5	SMC
1SMC22A	25.7	1500	22	5	SMC
1SMC24A	28.1	1500	24	5	SMC
1SMC26A	30.4	1500	26	5	SMC
1SMC28A	32.8	1500	28	5	SMC
1SMC30A	35.1	1500	30	5	SMC
1SMC33A	38.7	1500	33	5	SMC
1SMC36A	42.1	1500	36	5	SMC
1SMC40A	46.8	1500	40	5	SMC
1SMC43A	50.3	1500	43	5	SMC
1SMC45A	52.7	1500	45	5	SMC
1SMC48A	56.1	1500	48	5	SMC
1SMC51A	59.7	1500	51	5	SMC
1SMC54A	63.2	1500	54	5	SMC
1SMC58A	67.8	1500	58	5	SMC
1SMC60A	70.2	1500	60	5	SMC
1SMC64A	74.9	1500	64	5	SMC
1SMC70A	81.9	1500	70	5	SMC
1SMC75A	87.7	1500	75	5	SMC
1SMC78A	91.3	1500	78	5	SMC
1SMC85A	99.2	1500	85	5	SMC
1SMC90A	105.5	1500	90	5	SMC
1SMC100A	117	1500	100	5	SMC
1SMC110A	128.5	1500	110	5	SMC
1SMC120A	140	1500	120	5	SMC

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
1SMC130A	151.5	1500	130	5	SMC
1SMC150A	176	1500	150	5	SMC
1SMC160A	187.5	1500	160	5	SMC
1SMC170A	199	1500	170	5	SMC
1SMC188A	220	1500	188	5	SMC
SMCJ5.0C	7.1	1500	5	2000	SMC
SMCJ5.0CA	6.8	1500	5	2000	SMC
SMCJ6.0C	7.4	1500	6	2000	SMC
SMCJ6.0CA	7	1500	6	2000	SMC
SMCJ6.5C	8	1500	6.5	1000	SMC
SMCJ6.5CA	7.6	1500	6.5	1000	SMC
SMCJ7.0C	8.6	1500	7	400	SMC
SMCJ7.0CA	8.2	1500	7	400	SMC
SMCJ7.5C	9.3	1500	7.5	200	SMC
SMCJ7.5CA	8.8	1500	7.5	200	SMC
SMCJ8.0C	9.9	1500	8	100	SMC
SMCJ8.0CA	9.4	1500	8	100	SMC
SMCJ8.5C	10.5	1500	8.5	40	SMC
SMCJ8.5CA	9.9	1500	8.5	40	SMC
SMCJ9.0C	11.1	1500	9	20	SMC
SMCJ9.0CA	10.6	1500	9	20	SMC
SMCJ10C	12.4	1500	10	10	SMC
SMCJ10CA	11.7	1500	10	10	SMC
SMCJ11C	13.6	1500	11	10	SMC
SMCJ11CA	12.9	1500	11	10	SMC
SMCJ12C	14.8	1500	12	10	SMC
SMCJ12CA	14	1500	12	10	SMC
SMCJ13C	16	1500	13	1	SMC
SMCJ13CA	15.2	1500	13	1	SMC
SMCJ14C	17.4	1500	14	1	SMC
SMCJ14CA	16.4	1500	14	1	SMC
SMCJ15C	18.6	1500	15	1	SMC
SMCJ15CA	17.6	1500	15	1	SMC
SMCJ16C	19.8	1500	16	1	SMC

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
SMCJ16CA	18.8	1500	16	1	SMC
SMCJ17C	21	1500	17	1	SMC
SMCJ17CA	19.9	1500	17	1	SMC
SMCJ18C	22.2	1500	18	1	SMC
SMCJ18CA	21.1	1500	18	1	SMC
SMCJ20C	24.7	1500	20	1	SMC
SMCJ20CA	23.4	1500	20	1	SMC
SMCJ22C	27.1	1500	22	1	SMC
SMCJ22CA	25.7	1500	22	1	SMC
SMCJ24C	29.7	1500	24	1	SMC
SMCJ24CA	28.1	1500	24	1	SMC
SMCJ26C	32.1	1500	26	1	SMC
SMCJ26CA	30.4	1500	26	1	SMC
SMCJ28C	34.6	1500	28	1	SMC
SMCJ28CA	32.8	1500	28	1	SMC
SMCJ30C	37	1500	30	1	SMC
SMCJ30CA	35.1	1500	30	1	SMC
SMCJ33C	40.8	1500	33	1	SMC
SMCJ33CA	38.7	1500	33	1	SMC
SMCJ36C	44.5	1500	36	1	SMC
SMCJ36CA	42.1	1500	36	1	SMC
SMCJ40C	49.4	1500	40	1	SMC
SMCJ40CA	46.8	1500	40	1	SMC
SMCJ43C	53.1	1500	43	1	SMC
SMCJ43CA	50.3	1500	43	1	SMC
SMCJ45C	55.6	1500	45	1	SMC
SMCJ45CA	52.7	1500	45	1	SMC
SMCJ48C	59.2	1500	48	1	SMC
SMCJ48CA	56.1	1500	48	1	SMC
SMCJ51C	63	1500	51	1	SMC
SMCJ51CA	59.7	1500	51	1	SMC
SMCJ54C	66.7	1500	54	1	SMC
SMCJ54CA	63.2	1500	54	1	SMC
SMCJ58C	71.6	1500	58	1	SMC

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
SMCJ58CA	67.8	1500	58	1	SMC
SMCJ60C	74.1	1500	60	1	SMC
SMCJ60CA	70.2	1500	60	1	SMC
SMCJ64C	78.8	1500	64	1	SMC
SMCJ64CA	74.9	1500	64	1	SMC
SMCJ70C	86.5	1500	70	1	SMC
SMCJ70CA	81.9	1500	70	1	SMC
SMCJ75C	92.7	1500	75	1	SMC
SMCJ75CA	87.7	1500	75	1	SMC
SMCJ78C	96.4	1500	78	1	SMC
SMCJ78CA	91.3	1500	78	1	SMC
SMCJ85C	104.7	1500	85	1	SMC
SMCJ85CA	99.2	1500	85	1	SMC
SMCJ90C	111	1500	90	1	SMC
SMCJ90CA	105.5	1500	90	1	SMC
SMCJ100C	123.5	1500	100	1	SMC
SMCJ100CA	117	1500	100	1	SMC
SMCJ110C	135.5	1500	110	1	SMC
SMCJ110CA	128.5	1500	110	1	SMC
SMCJ120C	148	1500	120	1	SMC
SMCJ120CA	140	1500	120	1	SMC
SMCJ130C	160	1500	130	1	SMC
SMCJ130CA	151.5	1500	130	1	SMC
SMCJ150C	185.5	1500	150	1	SMC
SMCJ150CA	176	1500	150	1	SMC
SMCJ160C	198	1500	160	1	SMC
SMCJ160CA	187.5	1500	160	1	SMC
SMCJ170C	210	1500	170	1	SMC
SMCJ170CA	199	1500	170	1	SMC
SMCJ188C	232	1500	188	1	SMC
SMCJ188CA	220	1500	188	1	SMC
3.0SMCJ5.0	7	3000	5	2000	SMC
3.0SMCJ5.0A	6.8	3000	5	2000	SMC
3.0SMCJ6.0	7.6	3000	6	2000	SMC

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
3.0SMCJ6.0A	7.2	3000	6	2000	SMC
3.0SMCJ6.5	8.2	3000	6.5	1000	SMC
3.0SMCJ6.5A	7.8	3000	6.5	1000	SMC
3.0SMCJ7.0	8.8	3000	7	400	SMC
3.0SMCJ7.0A	8.4	3000	7	400	SMC
3.0SMCJ7.5	9.5	3000	7.5	200	SMC
3.0SMCJ7.5A	9	3000	7.5	200	SMC
3.0SMCJ8.0	10.1	3000	8	100	SMC
3.0SMCJ8.0A	9.6	3000	8	100	SMC
3.0SMCJ8.5	10.7	3000	8.5	40	SMC
3.0SMCJ8.5A	10.1	3000	8.5	40	SMC
3.0SMCJ9.0	11.3	3000	9	20	SMC
3.0SMCJ9.0A	10.8	3000	9	20	SMC
3.0SMCJ10	12.6	3000	10	10	SMC
3.0SMCJ10A	12	3000	10	10	SMC
3.0SMCJ11	13.8	3000	11	10	SMC
3.0SMCJ11A	13.1	3000	11	10	SMC
3.0SMCJ12	15.1	3000	12	10	SMC
3.0SMCJ12A	14.3	3000	12	10	SMC
3.0SMCJ13	16.3	3000	13	1	SMC
3.0SMCJ13A	15.5	3000	13	1	SMC
3.0SMCJ14	17.7	3000	14	1	SMC
3.0SMCJ14A	16.8	3000	14	1	SMC
3.0SMCJ15	18.9	3000	15	1	SMC
3.0SMCJ15A	18	3000	15	1	SMC
3.0SMCJ16	20.2	3000	16	1	SMC
3.0SMCJ16A	19.2	3000	16	1	SMC
3.0SMCJ17	21.4	3000	17	1	SMC
3.0SMCJ17A	20.3	3000	17	1	SMC
3.0SMCJ18	22.7	3000	18	1	SMC
3.0SMCJ18A	21.7	3000	18	1	SMC
3.0SMCJ20	25.2	3000	20	1	SMC
3.0SMCJ20A	23.9	3000	20	1	SMC
3.0SMCJ22	27.7	3000	22	1	SMC

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
3.0SMCJ22A	26.2	3000	22	1	SMC
3.0SMCJ24	30.3	3000	24	1	SMC
3.0SMCJ24A	28.7	3000	24	1	SMC
3.0SMCJ26	32.8	3000	26	1	SMC
3.0SMCJ26A	31.1	3000	26	1	SMC
3.0SMCJ28	35.3	3000	28	1	SMC
3.0SMCJ28A	33.5	3000	28	1	SMC
3.0SMCJ30	37.8	3000	30	1	SMC
3.0SMCJ30A	35.8	3000	30	1	SMC
3.0SMCJ33	41.6	3000	33	1	SMC
3.0SMCJ33A	39.5	3000	33	1	SMC
3.0SMCJ36	45.4	3000	36	1	SMC
3.0SMCJ36A	43	3000	36	1	SMC
3.0SMCJ40	50.4	3000	40	1	SMC
3.0SMCJ40A	47.8	3000	40	1	SMC
3.0SMCJ43	54.2	3000	43	1	SMC
3.0SMCJ43A	51.4	3000	43	1	SMC
3.0SMCJ45	56.7	3000	45	1	SMC
3.0SMCJ45A	53.8	3000	45	1	SMC
3.0SMCJ48	60.4	3000	48	1	SMC
3.0SMCJ48A	57.3	3000	48	1	SMC
3.0SMCJ51	64.3	3000	51	1	SMC
3.0SMCJ51A	61	3000	51	1	SMC
3.0SMCJ54	68	3000	54	1	SMC
3.0SMCJ54A	64.5	3000	54	1	SMC
3.0SMCJ58	73	3000	58	1	SMC
3.0SMCJ58A	69.3	3000	58	1	SMC
3.0SMCJ60	75.6	3000	60	1	SMC
3.0SMCJ60A	71.7	3000	60	1	SMC
3.0SMCJ64	80.6	3000	64	1	SMC
3.0SMCJ64A	76.5	3000	64	1	SMC
3.0SMCJ70	88.2	3000	70	1	SMC
3.0SMCJ70A	83.7	3000	70	1	SMC
3.0SMCJ75	94.5	3000	75	1	SMC

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
3.0SMCJ75A	89.6	3000	75	1	SMC
3.0SMCJ78	98.3	3000	78	1	SMC
3.0SMCJ78A	93.2	3000	78	1	SMC
3.0SMCJ85	106.8	3000	85	1	SMC
3.0SMCJ85A	101.3	3000	85	1	SMC
3.0SMCJ90	113.3	3000	90	1	SMC
3.0SMCJ90A	107.8	3000	90	1	SMC
3.0SMCJ100	126	3000	100	1	SMC
3.0SMCJ100A	119.5	3000	100	1	SMC
3.0SMCJ110	138.3	3000	110	1	SMC
3.0SMCJ110A	131.3	3000	110	1	SMC
3.0SMCJ120	151	3000	120	1	SMC
3.0SMCJ120A	143	3000	120	1	SMC
3.0SMCJ130	163.3	3000	130	1	SMC
3.0SMCJ130A	154.8	3000	130	1	SMC
3.0SMCJ150	189.3	3000	150	1	SMC
3.0SMCJ150A	179.8	3000	150	1	SMC
3.0SMCJ160	202	3000	160	1	SMC
3.0SMCJ160A	191.5	3000	160	1	SMC
3.0SMCJ170	214.3	3000	170	1	SMC
3.0SMCJ170A	203.3	3000	170	1	SMC
3.0SMCJ180	225.9	3000	180	1	SMC
3.0SMCJ180A	214.2	3000	180	1	SMC
3.0SMCJ190	238.5	3000	190	1	SMC
3.0SMCJ190A	226.1	3000	190	1	SMC
3.0SMCJ200	251	3000	200	1	SMC
3.0SMCJ200A	238	3000	200	1	SMC
3.0SMCJ210	263.6	3000	210	1	SMC
3.0SMCJ210A	249.9	3000	210	1	SMC
3.0SMCJ220	276.1	3000	220	1	SMC
3.0SMCJ220A	261.8	3000	220	1	SMC
5KP5.0	6.9	5000	5	5000	R-6
5KP5.0A	6.7	5000	5	5000	R-6
5KP6.0	7.4	5000	6	5000	R-6

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
5KP6.0A	7	5000	6	5000	R-6
5KP6.5	8	5000	6.5	2000	R-6
5KP6.5A	7.6	5000	6.5	2000	R-6
5KP7.0	8.6	5000	7	1000	R-6
5KP7.0A	8.2	5000	7	1000	R-6
5KP7.5	9.3	5000	7.5	250	R-6
5KP7.5A	8.8	5000	7.5	250	R-6
5KP8.0	9.9	5000	8	150	R-6
5KP8.0A	9.4	5000	8	150	R-6
5KP8.5	10.5	5000	8.5	50	R-6
5KP8.5A	9.9	5000	8.5	50	R-6
5KP9.0	11.1	5000	9	20	R-6
5KP9.0A	10.6	5000	9	20	R-6
5KP10	12.4	5000	10	15	R-6
5KP10A	11.7	5000	10	15	R-6
5KP11	13.6	5000	11	10	R-6
5KP11A	12.9	5000	11	10	R-6
5KP12	14.8	5000	12	10	R-6
5KP12A	14	5000	12	10	R-6
5KP13	16	5000	13	10	R-6
5KP13A	15.2	5000	13	10	R-6
5KP14	17.4	5000	14	10	R-6
5KP14A	16.4	5000	14	10	R-6
5KP15	18.6	5000	15	10	R-6
5KP15A	17.6	5000	15	10	R-6
5KP16	19.8	5000	16	10	R-6
5KP16A	18.8	5000	16	10	R-6
5KP17	21	5000	17	10	R-6
5KP17A	19.9	5000	17	10	R-6
5KP18	22.2	5000	18	10	R-6
5KP18A	21.1	5000	18	10	R-6
5KP20	24.7	5000	20	10	R-6
5KP20A	23.4	5000	20	10	R-6
5KP22	27.1	5000	22	10	R-6

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
5KP22A	25.7	5000	22	10	R-6
5KP24	29.7	5000	24	10	R-6
5KP24A	28.1	5000	24	10	R-6
5KP26	32.1	5000	26	10	R-6
5KP26A	30.4	5000	26	10	R-6
5KP28	34.6	5000	28	10	R-6
5KP28A	32.8	5000	28	10	R-6
5KP30	37	5000	30	10	R-6
5KP30A	35.1	5000	30	10	R-6
5KP33	40.8	5000	33	10	R-6
5KP33A	38.7	5000	33	10	R-6
KP36	44.5	5000	36	10	R-6
5KP36A	42.1	5000	36	10	R-6
5KP40	49.4	5000	40	10	R-6
5KP40A	46.8	5000	40	10	R-6
5KP43	53.1	5000	43	10	R-6
5KP43A	50.3	5000	43	10	R-6
5KP45	55.6	5000	45	10	R-6
5KP45A	52.7	5000	45	10	R-6
5KP48	59.3	5000	48	10	R-6
5KP48A	56.1	5000	48	10	R-6
5KP51	63	5000	51	10	R-6
5KP51A	59.7	5000	51	10	R-6
5KP54	66.7	5000	54	10	R-6
5KP54A	63.2	5000	54	10	R-6
5KP56	69.2	5000	56	10	R-6
5KP56A	65.5	5000	56	10	R-6
5KP58	71.6	5000	58	10	R-6
5KP58A	67.8	5000	58	10	R-6
5KP60	74.1	5000	60	10	R-6
5KP60A	70.2	5000	60	10	R-6
5KP64	84	5000	64	10	R-6
5KP64A	74.9	5000	64	10	R-6
5KP70	86.4	5000	70	10	R-6

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
5KP70A	81.8	5000	70	10	R-6
5KP75	92.7	5000	75	10	R-6
5KP75A	87.7	5000	75	10	R-6
5KP78	96.4	5000	78	10	R-6
5KP78A	91.3	5000	78	10	R-6
5KP85	104.7	5000	85	10	R-6
5KP85A	99.2	5000	85	10	R-6
5KP90	111	5000	90	10	R-6
5KP90A	105.5	5000	90	10	R-6
5KP100	123.5	5000	100	10	R-6
5KP100A	117	5000	100	10	R-6
5KP110	135.5	5000	110	10	R-6
5KP110A	128.5	5000	110	10	R-6
5KP120	148	5000	120	10	R-6
5KP120A	140	5000	120	10	R-6
5KP150	185.5	5000	150	10	R-6
5KP150A	175.5	5000	150	10	R-6
5KP160	197.5	5000	160	10	R-6
5KP160A	187	5000	160	10	R-6
5KP170	210	5000	170	10	R-6
5KP170A	199	5000	170	10	R-6
5KP180	222	5000	180	10	R-6
5KP180A	210.5	5000	180	10	R-6
SMCJ200A	235	1500	200	1	SMC
SMCJ220A	259	1500	220	1	SMC
SMCJ250A	294	1500	250	1	SMC
SMCJ300A	353	1500	300	1	SMC
SMCJ350A	411	1500	350	1	SMC
SMCJ400A	470	1500	400	1	SMC
SMCJ440A	547	1500	440	1	SMC
SMA6F6.8A	6.8	600	5.8	1000	SMA
SMA6F7.5A	7.5	600	6.4	500	SMA
SMA6F8.2A	8.2	600	7.02	200	SMA
SMA6F9.1A	9.1	600	7.78	50	SMA

TVS/ESD/EMI
--Transient Voltage Suppressor

Product	V(BR Typ (V))	PPK Max (W)	VRWM Max (V)	IR Max (uA)	Package Type
SMA6F10A	10	600	8.55	10	SMA
SMA6F11A	11	600	9.4	5	SMA
SMA6F12A	12	600	10.2	5	SMA
SMA6F13A	13	600	11.1	5	SMA
SMA6F15A	15	600	12.8	5	SMA
SMA6F16A	16	600	13.6	5	SMA
SMA6F18A	18	600	15.3	5	SMA
SMA6F20A	20	600	17.1	5	SMA
SMA6F22A	22	600	18.8	5	SMA
SMA6F24A	24	600	20.5	5	SMA
SMA6F27A	27	600	23.1	5	SMA
SMA6F30A	30	600	25.6	5	SMA
SMA6F33A	33	600	28.2	5	SMA
SMA6F36A	36	600	30.8	5	SMA
SMA6F39A	39	600	33.3	5	SMA
SMA6F43A	43	600	36.8	5	SMA
SMA6F47A	47	600	40.2	5	SMA
SMA6F51A	51	600	43.6	5	SMA
SMA6F56A	56	600	47.8	5	SMA

TVS/ESD/EMI
-- ESD/ EMI Protector

Product	C Max (pF)	V(BR) Min (V)	VRWM Max (V)	IR Max (uA)	PPK Max (W)	Package Type
EBL0501T	10	6	5	0.25	25	DFN-1006
EBLC03	3	4	3.3	5	350	SOD-323
EBLC03C	3	4	3.3	5	350	SOD-323
EBLC05	3	6	5	5	350	SOD-323
EBLC05C	3	6	5	5	350	SOD-323
EBLC08	3	8.5	8	2	350	SOD-323
EBLC08C	3	8.5	8	2	350	SOD-323
EBLC12	3	13.3	12	1	350	SOD-323
EBLC12C	3	13.3	12	1	350	SOD-323
EBLC15	3	16.7	15	1	350	SOD-323
EBLC15C	3	16.7	15	1	350	SOD-323
EBLC24	3	26.7	24	1	350	SOD-323
EBLC24C	3	26.7	24	1	350	SOD-323
EL05	5	6	5	20	300	SOT-23
ESD0504	0.6	6	5	3	120	SOT-363-6
ESD0503	0.6	3.9	3.3	5	120	SOT-363-6
ESD3Z24V	50	24.4	24	1	350	SOD-323
ESD3Z5C	25	5.4	5	1	350	SOD-323
ESD3Z12C	35	13.3	12	1	350	SOD-323
ESD05CL	3	6.1	5	1	120	SOD-323
ESD5L5V	0.9	6	5	1	100	SOD-523
ESD5Z5V	25	6	5	1	200	SOD-523
ESD5Z12V	25	13.5	12	1	200	SOD-523
ESD5Z5C	16	5.6	5	1	200	SOD-523
ESD5Z5CL	3	6.1	5	1	120	SOD-523
ESD50V12L	10	13.5	12	1	500	SOT-143
ESDA6V1W6	35	6.1	5	1	100	SOT-363
ESDF5V4	0.3	6	5	1	150	DFN-10
ESDFBP05CL	3	6.1	5	1	120	WBFBP-02L
ESDFBP05VL	0.5	6	3.3	1	100	WBFBP-02C
ESDV05CL	15	6.1	5	25	110	SOD-323
ESMF3V3	35	5.3	3.3	1	100	SOT-353
ESMF05	35	6.1	5	1	100	SOT-353

TVS/ESD/EMI
-- ESD/ EMI Protector

Product	C Max (pF)	V(BR) Min (V)	VRWM Max (V)	IR Max (uA)	PPK Max (W)	Package Type
ESMF12	35	13.3	12	1	100	SOT-353
ESR05L	3	6	5	5	200	SOT-143
ESR12	0.6	13.3	12	1	150	SOT-143
ESRV05-4	3.5	6	5	5	500	SOT-23-6
SEBLC03	3	3.3	3	1	350	SOD-323
SEBLC03C	3	3.3	3	1	350	SOD-323
SEBLC05	3	6.1	5	1	350	SOD-323
SEBLC05C	3	6.1	5	1	350	SOD-323
SEBLC08	3	8.6	8	1	350	SOD-323
SEBLC08C	3	8.6	8	1	350	SOD-323
SEBLC12	3	13.5	12	1	350	SOD-323
SEBLC12C	3	13.5	12	1	350	SOD-323
SEBLC15	3	16.7	15	1	350	SOD-323
SEBLC15C	3	16.7	15	1	350	SOD-323
SEBLC24	3	26.7	24	1	350	SOD-323
SEBLC24C	3	26.7	24	1	350	SOD-323
SESDFBP05C	10	6.1	5	1	120	WBFBP-02L
SOTY05D	10	6.4	5	10	300	DFN1725
SOTY12D	10	13.2	12	20	300	DFN1725
TS61089	100	-	90	-	-	SOP-8
TS61089A	100	-	120	-	-	SOP-8
TS61089B	100	-	170	-	-	SOP-8
TSP0080SB	80	6	15	2	-	SMB
TSP3500SB	25	320	400	5	-	SMB
TSP4200SB	25	390	500	5	-	SMB
ESD5Z3V3	35	6	3	1	200	SOD-523
ESD5Z6V	30	7.4	6	1	200	SOD-523
ESD5Z7V	25	8.1	7	1	200	SOD-523
ESD5V0D5	80	6.2	5	0.08	174	SOD-523

Transistors -- Transistors

Product	Polarity	IC Continuous (A)	V(BR) Min (V)	Hfe Min	hFE Max	FT Min (MHz)	PTM Max (mW)	Package Type
S9014	NPN	0.1	45	200	1000	150	200	SOT-23
2SA1162	PNP	0.15	50	70	400	80	150	SOT-23
2SC1623	NPN	0.1	50	90	600	250	200	SOT-23
BC807-40	PNP	0.5	45	250	600	100	300	SOT-23
BC817-40	NPN	0.5	45	100	600	100	300	SOT-23
BC846A	NPN	0.1	65	125	250	100	225	SOT-23
BC846B	NPN	0.1	65	125	250	100	225	SOT-23
BC847A	NPN	0.1	45	220	475	100	225	SOT-23
BC847B	NPN	0.1	45	220	475	100	225	SOT-23
BC848A	NPN	0.1	30	420	800	100	225	SOT-23
BC848B	NPN	0.1	30	420	800	100	225	SOT-23
BC848C	NPN	0.1	30	420	800	100	225	SOT-23
BC856A	PNP	0.1	65	125	250	100	225	SOT-23
BC856B	PNP	0.1	65	125	250	100	225	SOT-23
BC857A	PNP	0.1	45	220	475	100	225	SOT-23
BC857B	PNP	0.1	45	220	475	100	225	SOT-23
BC858A	PNP	0.1	30	420	800	100	225	SOT-23
BC858B	PNP	0.1	30	420	800	100	225	SOT-23
BC858C	PNP	0.1	30	420	800	100	225	SOT-23
SS8050	NPN	1.5	25	125	400	100	300	SOT-23
MMBT3904	NPN	0.2	40	100	300	300	225	SOT-23
MMBT3906	PNP	0.2	40	100	300	300	225	SOT-23
S9012LT	PNP	0.5	40	70	400	300	300	SOT-23
2SD2908	NPN	5	20	120	390	150	500	SOT-89
BCX51	PNP	1	45	100	250	125	500	SOT-89
BCX52	PNP	1	60	100	250	125	500	SOT-89
BCX53	PNP	1	80	100	250	125	500	SOT-89
2N5551	NPN	0.6	160	160	400	100	625	TO-92
2SC4617XT1G	NPN	0.15	50	120	560	180	150	SOT-523
2SC4548	NPN	0.2	400	60	200	70	500	SOT-89
A42	NPN	0.5	305	100	300	50	500	SOT-89
2SA1012	PNP	5	50	70	240	60	1250	TO-252
2SC2412	NPN	0.15	50	120	560	160	200	SOT-323

Transistors -- Transistors

Product	Polarity	IC Continuous (A)	V(BR) Min (V)	Hfe Min	hFE Max	FT Min (MHz)	PTM Max (mW)	Package Type
BC856W	PNP	0.1	65	125	250	100	200	SOT-323
BC857W	PNP	0.1	45	220	475	100	200	SOT-323
BC858W	PNP	0.1	30	420	800	100	200	SOT-323
MMBT2222A	PNP	0.6	40	100	300	300	300	SOT-23
MMBTA05	NPN	0.5	60	100		100	350	SOT-23
MMBTA06	NPN	0.5	80	100		100	350	SOT-23
MMBTA55	NPN	0.5	60	100		50	300	SOT-23
MMBTA56	NPN	0.5	80	100		50	300	SOT-23
MMDT2222A	PNP	0.6	40	100	300	300	200	SOT-363
A92	PNP	0.5	300	60		50	500	SOT-89
BC856AW	PNP	0.1	65	125	250	100		SOT-323
BC856BW	PNP	0.1	65	220	475	100		SOT-323
BC857AW	PNP	0.1	45	125	250	100		SOT-323
BC857BW	PNP	0.1	45	220	475	100		SOT-323
BC857CW	PNP	0.1	45	420	800	100		SOT-323
BC858BW	PNP	0.1	30	220	475	100		SOT-323
BC858CW	PNP	0.1	30	420	800	100		SOT-323
BCX54	NPN	1	45	25	250	100		SOT-89
BCX55	NPN	1	60	25	250	100		SOT-89
BCX56	NPN	1	80	25	250	100		SOT-89

Transistors -- Digital Transistors

Product	Polarity	IC Continuous (A)	V(BR) CEO Min (V)	hFE Min	R1 (kΩ)	R2 (kΩ)	R1/R2 Typ	Vi(off) Max (V)	Vi(on) Min (V)	Package type
DTC144TE	NPN	0.1	50	100	32.9	Infinity	-	0.5	4	SOT-523
TA114ECA	PNP	0.1	50	-	10	10	1	-	-	SOT-23
TA124ECA	PNP	0.1	50	-	22	22	1	-	-	SOT-23
TA143ECA	PNP	0.1	50	-	4.7	4.7	1	-	-	SOT-23
TA144ECA	PNP	0.1	50	-	47	47	1	-	-	SOT-23
DTA113ZCA	PNP	0.1			1	1		0.3	3	SOT-23
DTA114WCA	PNP	0.1			10	10		0.8	3	SOT-23
DTA114YCA	PNP	0.1			10	10		0.3	1.4	SOT-23
DTA123JCA	PNP	0.1			2.2	2.2		0.5	1.1	SOT-23
DTA123YCA	PNP	0.1			2.2	2.2		0.3	3	SOT-23
DTA143XCA	PNP	0.1			4.7	4.7		0.3	2.5	SOT-23
DTA143ZCA	PNP	0.1			4.7	4.7		0.5	1.3	SOT-23
DTA114EE	PNP	0.05	50		10	10	1	0.5		SOT-523
DTA124EE	PNP	0.03	50		22	22	1	0.5		SOT-523
DTA143EE	PNP	0.10	50		4.7	4.7	1	0.5		SOT-523
DTA144EE	PNP	0.03	50		47	47	1	0.5		SOT-523

MOSFETs -- MOSFETs

Product	Channel Polarity	V(BR) DSS Min (V)	VGS Max (V)	VGS(th) Max (V)	ID Max (A)	PD Max (W)	Package Type
MS23P25	P Channel	-20	12	-	-3.6	1.25	SOT-23
MS23P39	P Channel	-30	12	-	3.6	1.25	SOT-23
MS23P61	P Channel	-60	20	-	-3.4	50	SOT-23
MSB55N03N3	N Channel	30	20	3	3.5	1.5	SOT-23
MSD23N22	N Channel	30	20	3	3.5	1.5	SOT-23
MSD23N58	N Channel	60	20	-	2.8	1.3	SOT-23
MSK1N3	N Channel	60	20	2.5	0.115	0.2	SOT-23
MSP2301N3	P Channel	-20	8	-	-2.3	1.25	SOT-23
MS20N04NE	N Channel	20	12	-	4	1.3	SOT-23-3L
MS60P02NE	P Channel	-60	20	-	1.7	1.3	SOT-23
MS23N22	N Channel	30	20	-	2.5	1.25	SOT-23
MS23N26	N Channel	30	20	-	6.4	2.1	SOT-23
BSS84	P Channel	50		2	15	0.225	SOT-23
MS23N70	N Channel	100	20		1.5	1.3	SOT-23
MS23P01S	P Channel	20	12	-	2.6	0.9	SOT-323
BSS138	N Channel	50	20	1.5	0.22	0.35	SOT-23
MS34P07	P Channel	20	12		5	1.4	TSOP-6
MS13N30	N Channel	30	20	-	2	0.34	SC70-3
MS15C37	N&P Channel	30	20	-	1.2	0.3	SC70-6
MS23P59	P Channel	60	20	-	1.6	1.3	SOT-23
MS23N02	N Channel	20	8	-	3.4	1.3	SOT-23
MS23N18	N Channel	30	20	-	2.4	1.3	SOT-23
MS39P93	P Channel	30	20	-	2.5	1.15	TSOP-6
MS48N40	N Channel	40	20	-	9.7	3.1	SO-8
MS48P35	P Channel	30	20	-	9.5	3.1	SO-8
MS49N20	N Channel	30	20	-	6.9	2.1	SO-8
MS3531C	N&P Channel	N 30 & P 6.5	12	-	N 3.7 & P 2.7	1.15	TSOP-6
MS90N06	N Channel	60	20	-	90	300	TO-220

MOSFETs -- HV MOSFETs

Product	Channel Polarity	V(BR)DSS Min (V)	VGS Max (V)	VGS(th) Max (V)	ID Max (A)	rDS(on) Max @ VGS = 10 V (Ω)	Package Type
MSQ2N60	N Channel	600	30	4	2	4.8	QFN5X6
MSQ4N60	N Channel	600	30	4	4.5	2.5	QFN5X6
MSQ5N50	N Channel	500	30	4	5	1.4	QFN5X6
MSQ6N40	N Channel	400	30	4	5.5	1	QFN5X6
MSQ6N30	N Channel	300	20	1	6.4	3.4	SO-8
DMS05N60	N Channel	600	20	-2.7	0.02	700	SOT-23
MS3N80	N Channel	800	30	3	3	4.8	TO-220
MS4N60	N Channel	600	30	4	4.5	2.5	TO-220
MS4N65	N Channel	650	30	4	3.6	2.9	TO-220
MS5N50	N Channel	500	30	4	4.5	1.5	TO-220
MS5N50-A	N Channel	500	30	4	4.5	1.6	TO-220
MS5N60	N Channel	600	30	4	4.5	2.5	TO-220
MS6N40	N Channel	400	30	4	5.5	1	TO-220
MS6N80	N Channel	800	30	4.5	6	2.3	TO-220
MS6N90	N Channel	900	30	5	6	2.4	TO-220
MS6N95	N Channel	950	30	5	6	2.4	TO-220
MS7N60	N Channel	600	30	4	7	1.2	TO-220
MS7N80	N Channel	800	30	5	7	2.1	TO-220
MS8N50	N Channel	500	30	4	8	0.85	TO-220
MS8N60	N Channel	600	30	4	7.5	1.2	TO-220
MS9N90	N Channel	900	30	5	9	1.4	TO-220
MS10N60	N Channel	600	30	4	9.5	0.73	TO-220
MS10N65	N Channel	650	30	4	9.5	0.85	TO-220
MS10N80	N Channel	800	30	5	10	1.1	TO-220
MS12N60	N Channel	600	30	4	12	0.65	TO-220
MS12N65	N Channel	650	30	4	12	0.75	TO-220
MS13N50	N Channel	500	30	4	13	4.8	TO-220
MS14N60	N Channel	600	30	4	14	0.55	TO-220
MS15N50	N Channel	500	30	4	15	0.42	TO-220
MS15N60	N Channel	600	30	4	15	0.52	TO-220
MS18N50	N Channel	500	30	5	18	0.32	TO-220
MS50N06	N Channel	60	20	4	50	0.022	TO-220

MOSFETs -- HV MOSFETs

Product	Channel Polarity	V(BR)DSS Min (V)	VGS Max (V)	VGS(th) Max (V)	ID Max (A)	rDS(on) Max @ VGS = 10 V (Ω)	Package Type
MS75N75	N Channel	75	20	4	75	0.017	TO-220
MSF2N40	N Channel	400	30	4	2	1.5	TO-220F
MSF2N60	N Channel	60	30	4	2	5	TO-220F
MSF2N70	N Channel	700	30	4	1.6	6	TO-220F
MSF3N80	N Channel	800	30	5	3	5	TO-220F
MSF4N65	N Channel	650	30	4	4	3	TO-220F
MSF5N50	N Channel	500	30	4	5	1.6	TO-220F
MSF5N60	N Channel	600	30	4	4.5	2.5	TO-220F
MSF6N40	N Channel	400	30	4	5.5	1	TO-220F
MSF6N60	N Channel	600	30	4	5.5	2	TO-220F
MSF6N65	N Channel	650	30	4	6	1.5	TO-220F
MSF6N70	N Channel	700	30	4	5.5	1.8	TO-220F
MSF6N90	N Channel	900	30	5	6	2.4	TO-220F
MSF7N60	N Channel	600	30	4	7	1.2	TO-220F
MSF7N65	N Channel	650	30	4	7	1.4	TO-220F
MSF7N80	N Channel	800	30	5	7	2.1	TO-220F
MSF8N50	N Channel	500	30	4	8	0.85	TO-220F
MSF8N80	N Channel	800	30	5	8	1.6	TO-220F
MSF9N20	N Channel	200	20	3.5	9	4	TO-220F
MSF9N70	N Channel	700	30	4.5	9	1	TO-220F
MSF9N90	N Channel	900	30	5	9	1.4	TO-220F
MSF10N40	N Channel	400	30	5	10.5	0.55	TO-220F
MSF10N80	N Channel	800	30	5	10	1.1	TO-220F
MSF10N80A	N Channel	800	30	5	10	1.4	TO-220F
MSF12N60	N Channel	600	30	4	12	0.65	TO-220F
MSF12N65	N Channel	650	30	4	12	0.75	TO-220F
MSF13N50	N Channel	500	30	4	13	0.48	TO-220F
MSF12N60	N Channel	600	30	4	13	0.51	TO-220F
MSF14N60	N Channel	600	30	4	14	0.55	TO-220F
MSF15N60	N Channel	600	30	4	15	0.52	TO-220F
MSF16N50	N Channel	500	30	5	16	0.38	TO-220F
MSF20N50	N Channel	500	30	4	20	0.26	TO-220F

MOSFETs

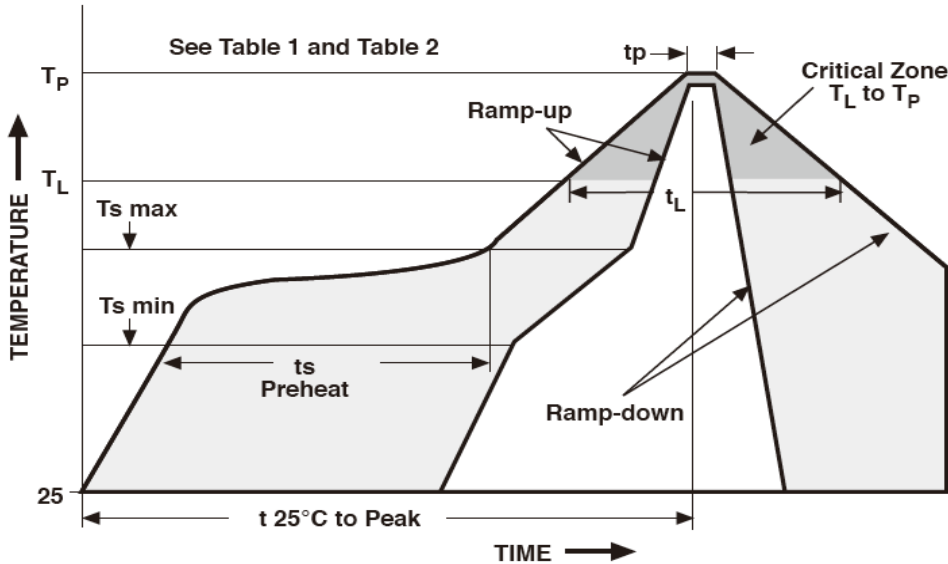
-- HV MOSFETs

Product	Channel Polarity	V(BR)DSS Min (V)	VGS Max (V)	VGS(th) Max (V)	ID Max (A)	rDS(on) Max @ VGS = 10 V (Ω)	Package Type
MSF4N60	N Channel	600	30	4	4.5	2.5	TO-220FP
MSF8N60	N Channel	600	30	4	7.5	1.2	TO-220FP
MSF10N60	N Channel	600	30	4	10	0.75	TO-220FP
MSF10N65	N Channel	650	30	4	9.5	0.98	TO-220FP
MSF18N50	N Channel	500	30	4	18	0.32	TO-220FP
MSW9N90	N Channel	900	30	5	9	1.4	TO-247
MSW10N80	N Channel	800	30	5	10	1.1	TO-247
MSW11N90	N Channel	900	30	5	11	1.1	TO-247
MSW16N50	N Channel	500	30	5	16	0.38	TO-247
MSW20N50	N Channel	500	30	4	20	0.26	TO-247
MSW20N60	N Channel	600	30	4	20	0.32	TO-247
MSU1N60	N Channel	600	30	4	1	12	TO-251
MSU2N60	N Channel	600	30	4	2	4.7	TO-251
MSU2N70	N Channel	700	30	4	1.6	6	TO-251
MSU4N40	N Channel	400	30	4	4.5	0.9	TO-251
MSU4N60	N Channel	600	30	4	4	3.2	TO-251

**Power Management Drive
-- LED drivers**

Product	Description	Package Type
BW9910	PWM high-efficiency LED driver control IC	SOP-8
BW9910A	PWM high-efficiency LED driver control IC	SOP-8
BW9130HV	3A LED Driver with Dimming Control	TO-220-5
BW9130HVB	3A LED Driver with Dimming Control	TO-263-5
BW6562A	High PFC LED Driver	SOP-8
BW7381	Universal High Brightness LED Driver	SOP-8
BW7386	Accuracy Constant Current LED Driver	SOT-26
BW7383	6 Pin Non-isolation Buck current control IC with High PFC for LED Lighting	SOT-26
BW7385	Non-isolation Buck current control IC with High PFC for LED Lighting	SOT-26
BW7385A	High Power Factor & Accuracy Constant Current LED Driver	SOT-23

REFLOW PROFILE



CLASSIFICATION REFLOW PROFILE

Profile Feature	Sn-Pb Eutectic Assembly		Pb (lead)-free Assembly	
	Large Body	Small Body	Large Body	Small Body
Average ramp-up rate (TL to TP)	3°C / second maximum		3°C / second maximum	
Preheat				
- Temperature Minimum (T _{min})	100°C		150°C	
- Temperature Maximum (T _{max})	150°C		200°C	
- Time (min to max) (ts)	60 - 120 seconds		60 - 180 seconds	
T _{max} to TL				
- Ramp-up Rate			3°C / second maximum	
Time maintained above:				
- Temperature (TL)	183°C		217°C	
- Time (t _L)	60 - 150 seconds		60 - 150 seconds	
Peak Temperature	(Table 1)	(Table 1)	(Table 2)	(Table 2)
Time within 5°C of actual peak temperature (tp)	10 - 30 seconds	10 - 30 seconds	10 - 30 seconds	20 - 40 seconds
Ramp-down rate	6°C / second maximum		6°C / second maximum	
Time 25°C to peak temperature	6 minutes maximum		8 minutes maximum	

Note: All temperatures refer to topside of the package, measured on the package body surface

Table 1 - PbSn Peak Reflow Temperature

Package Thickness	Volume mm ³ < 350	Volume mm ³ ≥ 350
< 2.5mm	240 +0/-5°C	225 +0/-5°C
≥ 2.5mm	225 +0/-5°C	225 +0/-5°C

Table 2 - Pb-free Peak Reflow Temperature

Package Thickness	Volume mm ³ < 350	Volume mm ³ 350 - 2000	Volume mm ³ > 2000
< 1.6mm	260 ± 0°C*	260 ± 0°C*	260 ± 0°C*
1.6mm - 2.5mm	260 ± 0°C*	250 ± 0°C*	245 ± 0°C*
≥ 2.5mm	250 ± 0°C*	245 ± 0°C*	245 ± 0°C*

*Tolerance: The device manufacturer/supplier shall assure process compatibility up to and including the stated classification temperature.

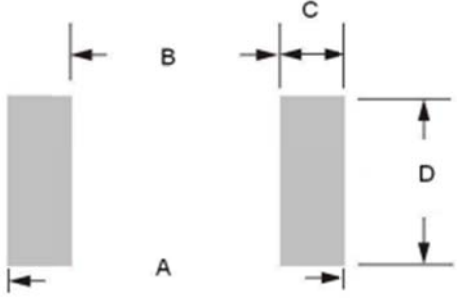
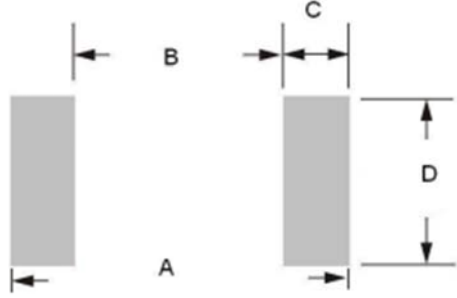
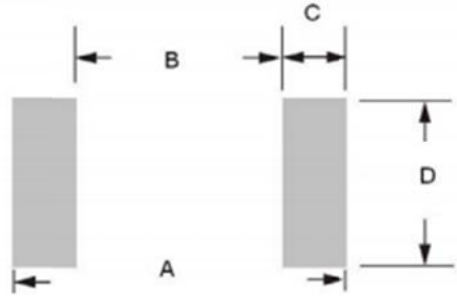
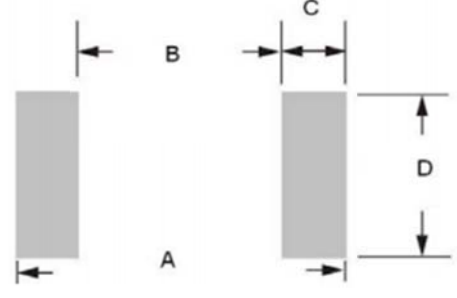
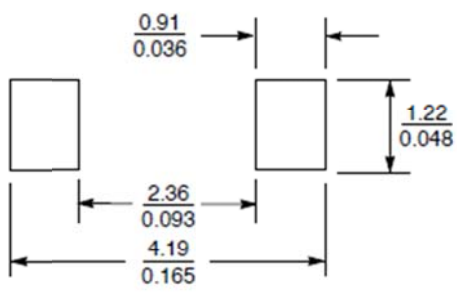
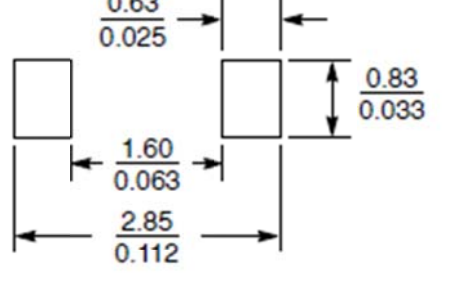
Note 1: Package volume excludes external terminals (balls, bumps, lands, leads) and/or non-integral heat sinks

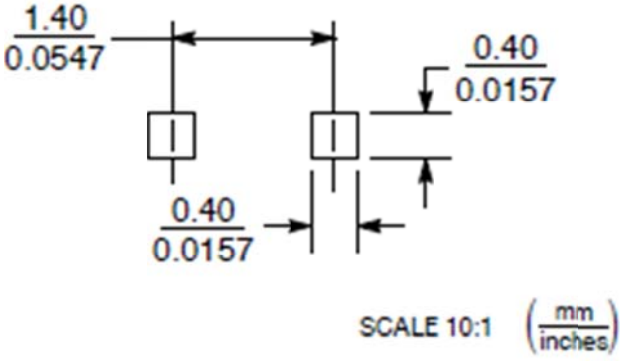
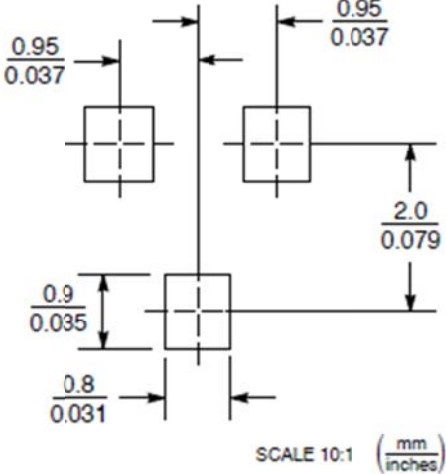
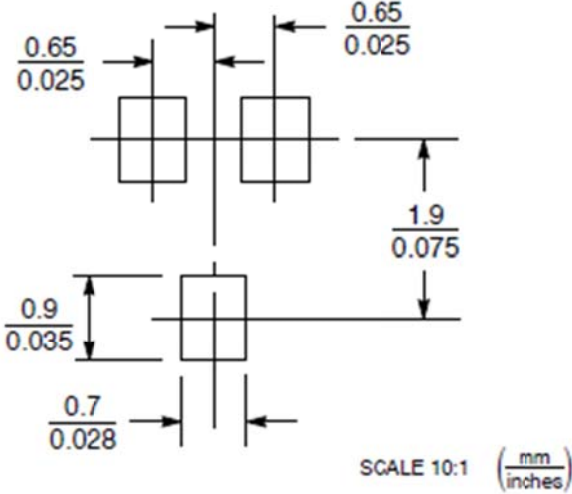
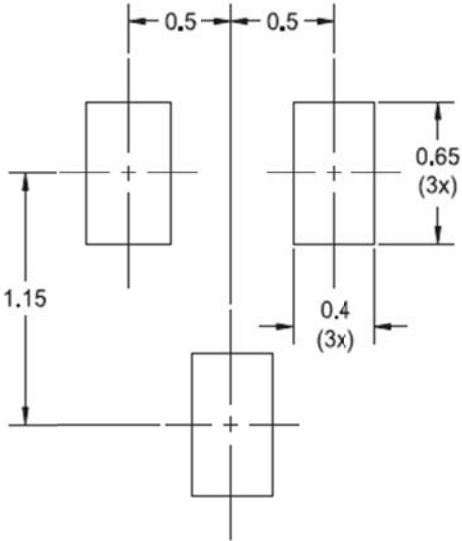
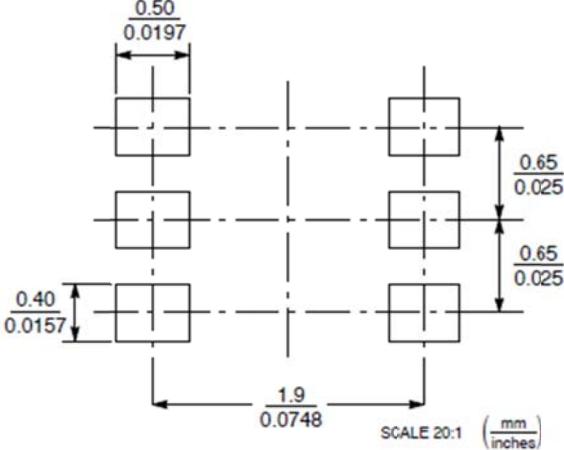
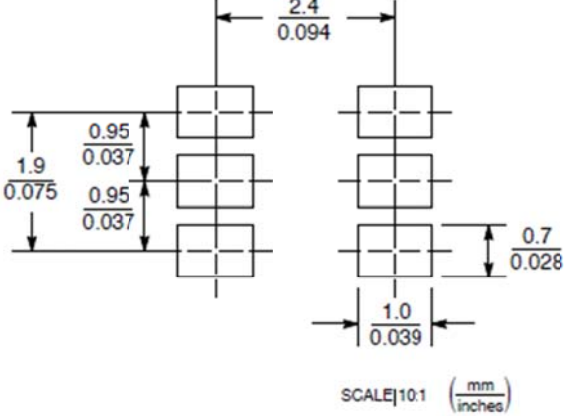
Note 2: The maximum component temperature reached during reflow depends on package thickness and volume. The use of convection

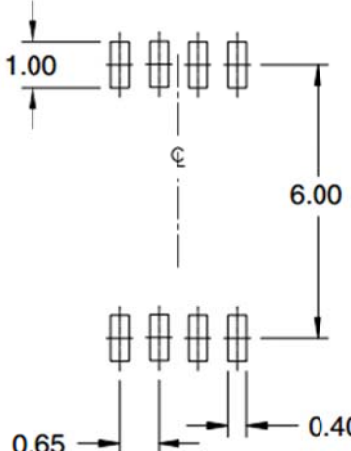
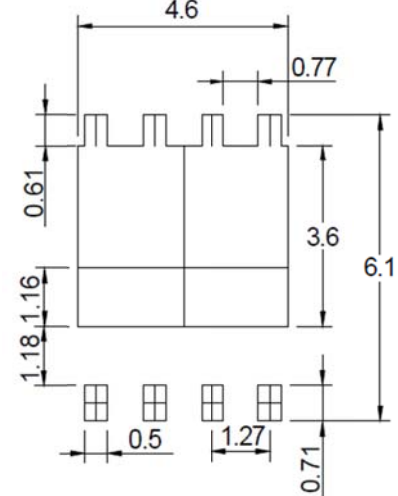
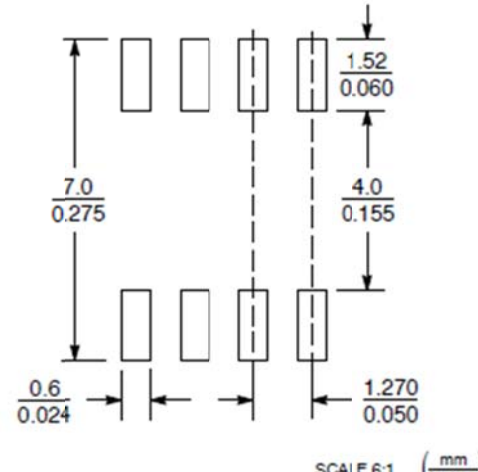
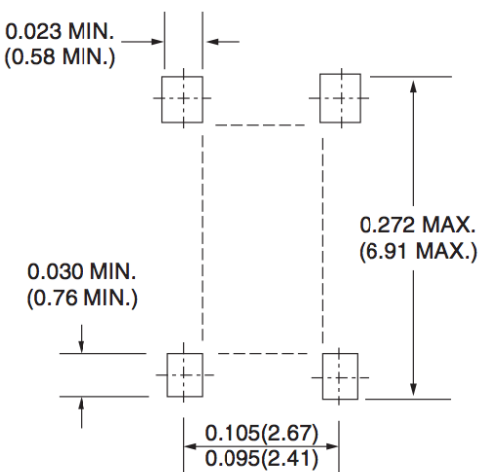
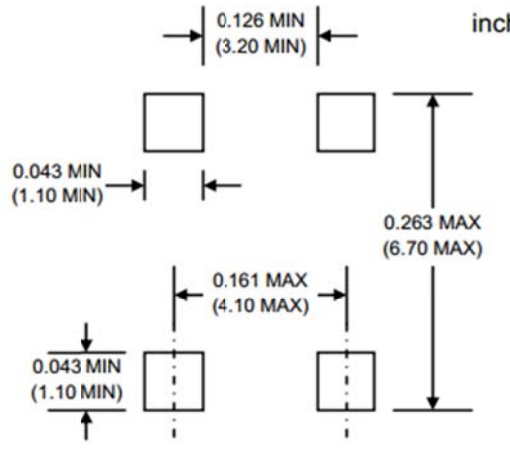
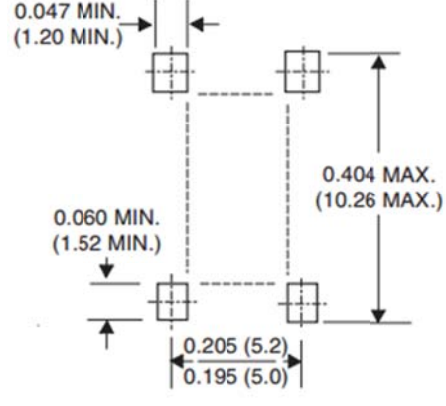
Reflow processes reduce the thermal gradients between packages. However, thermal gradients due to differences in thermal mass of SMD Packages may still exist.

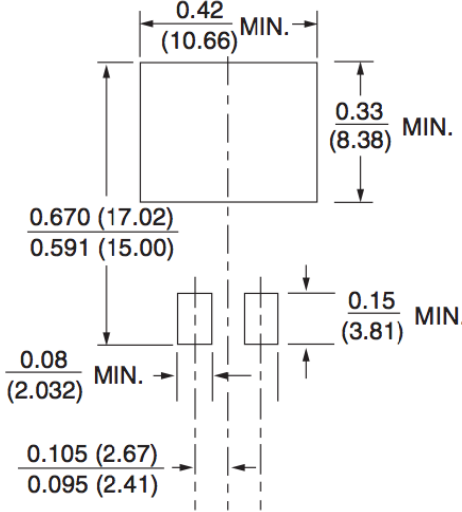
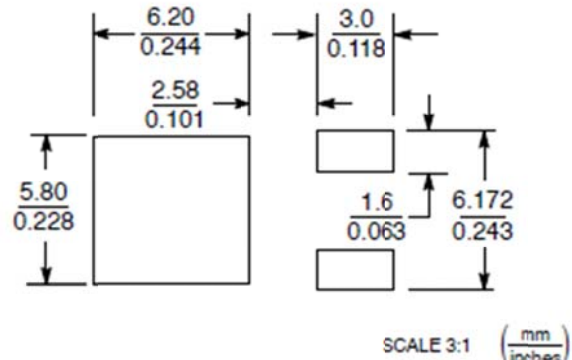
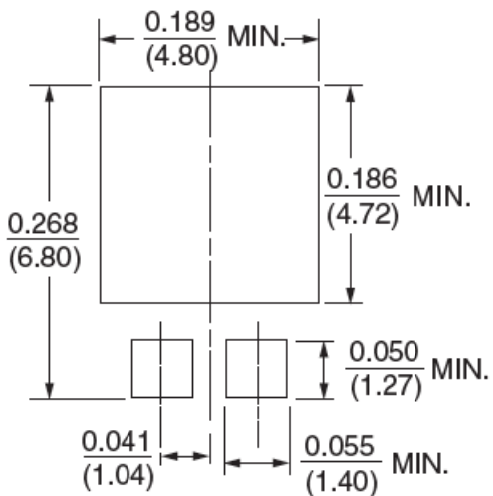
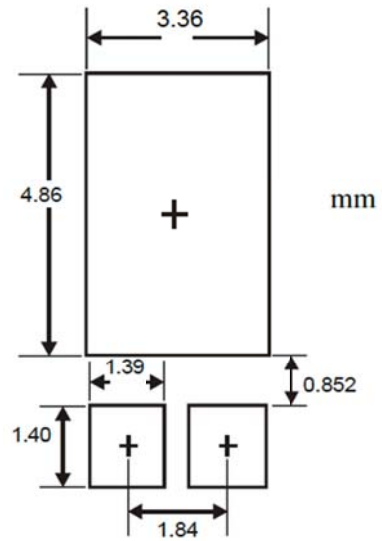
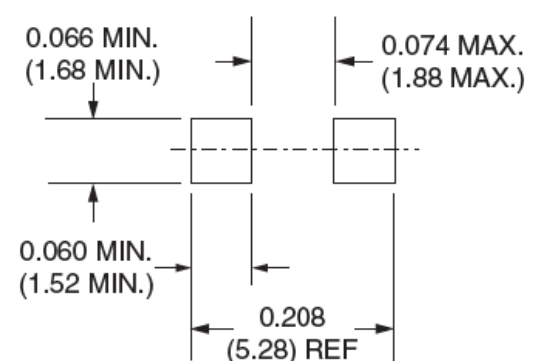
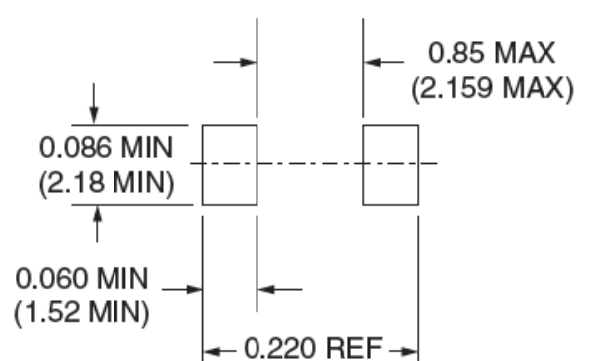
Suggested Pad Layouts

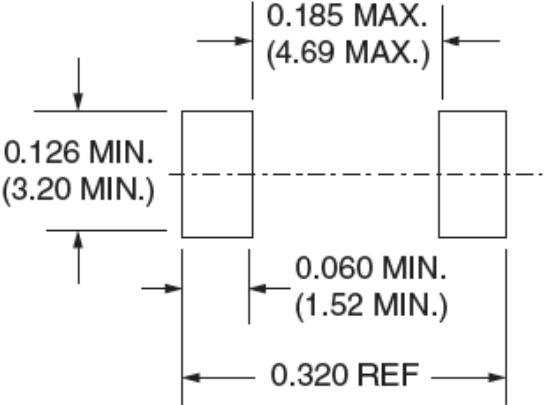
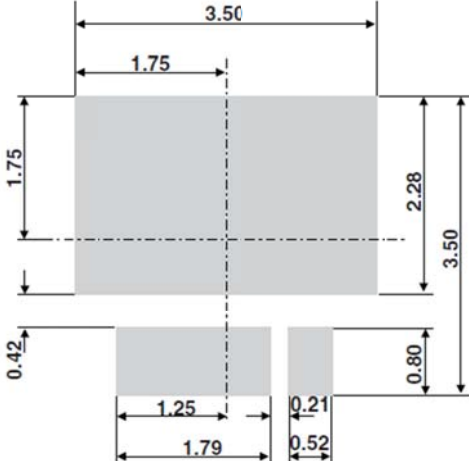
All dimensions in inches (millimeters)

<p>0402</p>  <p>A: 1.05, B: 0.50, C: 0.50, D: 0.5</p>	<p>0603</p>  <p>A: 1.8-2.6, B: 0.8, C: 0.5-0.9, D: 0.8-1.0</p>
<p>0805</p>  <p>A: 2.6-3.4, B: 1.2, C: 0.7-1.1, D: 1.2-1.4</p>	<p>1206</p>  <p>A: 3.8-4.6, B: 2.2, C: 0.8-1.2, D: 1.5-1.7</p>
<p>SOD-123</p>  <p>SCALE 10:1 $\left(\frac{\text{mm}}{\text{inches}}\right)$</p>	<p>SOD-323</p>  <p>SCALE 10:1 $\left(\frac{\text{mm}}{\text{inches}}\right)$</p>

<p>SOD-523</p>  <p>SCALE 10:1 (mm/inches)</p>	<p>SOT-23</p>  <p>SCALE 10:1 (mm/inches)</p>
<p>SOT-323 (SC70-3)</p>  <p>SCALE 10:1 (mm/inches)</p>	<p>SOT-523</p>  <p>SCALE 10:1 (mm/inches)</p>
<p>SOT-363 (SC70-6)</p>  <p>SCALE 20:1 (mm/inches)</p>	<p>TSOP-6</p>  <p>SCALE 10:1 (mm/inches)</p>

<p>TSOP-8</p>  <p>Diagram showing the dimensions of a TSOP-8 package. The package is 6.00 units high. The width of the top leads is 1.00 units. The width of the bottom leads is 0.65 units. The distance between the centerlines of the top and bottom leads is 6.00 units. The width of the top lead body is 0.40 units.</p>	<p>SOIC-8</p>  <p>Diagram showing the dimensions of an SOIC-8 package. The package is 6.1 units high. The width of the top leads is 4.6 units. The width of the bottom leads is 0.5 units. The distance between the centerlines of the top and bottom leads is 6.1 units. The width of the top lead body is 0.77 units. The width of the bottom lead body is 1.27 units. The height of the top lead is 0.61 units. The height of the bottom lead is 0.71 units. The distance between the centerlines of the top and bottom leads is 6.1 units.</p>
<p>SO-8</p>  <p>Diagram showing the dimensions of an SO-8 package. The package is 7.0 units high. The width of the top leads is 0.6 units. The width of the bottom leads is 1.270 units. The distance between the centerlines of the top and bottom leads is 7.0 units. The width of the top lead body is 0.060 units. The width of the bottom lead body is 0.050 units. The height of the top lead is 1.52 units. The height of the bottom lead is 4.0 units. The distance between the centerlines of the top and bottom leads is 7.0 units. The scale is 6:1 (mm/inches).</p>	<p>MBS BRIDGE</p>  <p>Diagram showing the dimensions of an MBS BRIDGE package. The package is 0.272 MAX. (6.91 MAX.) units high. The width of the top leads is 0.023 MIN. (0.58 MIN.) units. The width of the bottom leads is 0.030 MIN. (0.76 MIN.) units. The distance between the centerlines of the top and bottom leads is 0.105 (2.67) units. The width of the top lead body is 0.095 (2.41) units. The width of the bottom lead body is 0.095 (2.41) units.</p>
<p>ABS BRIDGE</p>  <p>Diagram showing the dimensions of an ABS BRIDGE package. The package is 0.263 MAX. (6.70 MAX.) units high. The width of the top leads is 0.126 MIN. (3.20 MIN.) units. The width of the bottom leads is 0.043 MIN. (1.10 MIN.) units. The distance between the centerlines of the top and bottom leads is 0.161 MAX. (4.10 MAX.) units. The width of the top lead body is 0.043 MIN. (1.10 MIN.) units. The width of the bottom lead body is 0.043 MIN. (1.10 MIN.) units.</p>	<p>DFS BRIDGE</p>  <p>Diagram showing the dimensions of a DFS BRIDGE package. The package is 0.404 MAX. (10.26 MAX.) units high. The width of the top leads is 0.047 MIN. (1.20 MIN.) units. The width of the bottom leads is 0.060 MIN. (1.52 MIN.) units. The distance between the centerlines of the top and bottom leads is 0.205 (5.2) units. The width of the top lead body is 0.195 (5.0) units. The width of the bottom lead body is 0.195 (5.0) units.</p>

TO-263 (D2PAK)	TO-252 (DPAK)
 <p> 0.42 (10.66) MIN. 0.33 (8.38) MIN. 0.670 (17.02) 0.591 (15.00) 0.15 (3.81) MIN. 0.08 (2.032) MIN. 0.105 (2.67) 0.095 (2.41) </p>	 <p> 6.20 (0.244) 2.58 (0.101) 3.0 (0.118) 5.80 (0.228) 1.6 (0.063) 6.172 (0.243) SCALE 3:1 ($\frac{\text{mm}}{\text{inches}}$) </p>
TO-277A	TO-277B
 <p> 0.189 (4.80) MIN. 0.268 (6.80) 0.186 (4.72) MIN. 0.050 (1.27) MIN. 0.041 (1.04) 0.055 (1.40) MIN. </p>	 <p> 3.36 4.86 mm 1.39 0.852 1.40 1.84 </p>
SMA/DO-214AC	SMB/DO-214AA
 <p> 0.066 MIN. (1.68 MIN.) 0.074 MAX. (1.88 MAX.) 0.060 MIN. (1.52 MIN.) 0.208 (5.28) REF </p>	 <p> 0.85 MAX. (2.159 MAX.) 0.086 MIN. (2.18 MIN.) 0.060 MIN. (1.52 MIN.) 0.220 REF </p>

SMC/DO-214AB	DFN 3P3
 <p>0.126 MIN. (3.20 MIN.)</p> <p>0.185 MAX. (4.69 MAX.)</p> <p>0.060 MIN. (1.52 MIN.)</p> <p>0.320 REF</p>	 <p>3.50</p> <p>1.75</p> <p>1.75</p> <p>2.28</p> <p>3.50</p> <p>0.42</p> <p>1.25</p> <p>1.79</p> <p>0.21</p> <p>0.52</p> <p>0.80</p>

NOTE

Lined area for notes, consisting of multiple horizontal dashed lines.

NOTE

Lined area for notes, consisting of approximately 30 horizontal lines.

SATISFY

To satisfy customers while achieving sound growth with technological products of innovative design, superior quality.

QUALITY

Our goal is to exceed the quality expectations of our customers. It is achieved through innovation, technical excellence and continuous improvement.



sales@bruckewell.com

6F.-1, No.65, Gaotie 7th Rd., Jhubei City,
Hsinchu County 302, Taiwan

www.bruckewell-semi.com