



TRS-STAR

electronics4U

TRS-STAR Distributor of

EIC Discrete Semiconductors



# TRS-STAR Company Portrait

## electronics4U

## System Solutions

## Distribution



Since its foundation TRS-STAR GmbH focused on the distribution of electronic components and electronic clusters for as industrial customers as the Retail Market. The portfolio scopes many well known manufacturers providing the following attractive product groups:

- IPC Systems
- IPC Boards
- Displays
- Memory & Storage
- Batteries
- Power Components
- Frequency Components
- LED / Lighting
- PEMCO
- GPS Tracker / Routers

We are highly dedicated to an extensive support during design-in answering technical and commercial questions. TRS-STAR offers the matching components even for critical environments and extraordinary requirements.

In the range of Sensor Systems a fine selection of high end tracker solutions is available, being designed for tracking vehicles, persons and assets. Based on our long term partnership with leading manufacturers of trackers, system integrators and network providers, we are in the position offering standart solu-

tions, but customized in terms of hard-, firm and Software. Besides distribution, TRS-STAR also offers a service for excess and shortage management. Our expansive network of global suppliers, combined with our technical expertise, enable TRS-STAR to source any component required. Send us your shortage and hard to find requirements or check for stock and availability online on our webpage. Customers take benefit from our extensive know-how which is based on 20 years of experience. Increase your working capital by choosing TRS-STAR to market your overstock according to your personal needs by setting up a consignment agreement, selling your excess to TRS, or letting us promote your overstock through the worldwide market.

Since 2014 TRS-STAR has an own development center with a team of long term experienced engineers coming from divers industrie sectors. The core competence of our engineers covers a brad spectrum on of complex applications related to both, Hard- and Software.

It would be our pleasure when you gave us a chance to convince you about our competences and strength.



# Product Portfolio and Services



## Engineering

### Portfolio

- IPC Systems
- IPC Boards
- Displays
- Memory & Storage
- Batteries
- Power Components
- Frequency Components
- LED / Lighting
- PEMCO
- GPS Tracker / Routers

### Services

- Sourcing of EOL (End of Life) Components
- Sourcing of Allocation Components
- Implementation of System Solutions
- Overstock Management
- Technical Support
- Implementation of Logistics Concepts
- Appropriate and professional Warehouse Logistics



# EIC Company Portrait



EIC is a major international manufacturer and supplier of discrete semiconductors. With over 15,000 parts and more than 50 package types, EIC offers one of the most comprehensive diode portfolios in the industry. The company's products can be classified into five main categories:

- Rectifier Diodes
- High Speed Switching / Small Signal Diodes
- Zener Diodes
- Transient Voltage Suppressor Diodes
- Transistors

EIC provides end to end manufacturing with a dedicated wafer fab and assembly plant to ensure control of quality and supply. Expansion of the wafer fab during 2007 has provided EIC with the ability to supply products in die and wafer form, in addition to packaged parts.

EIC provides its customers with world-class service and technical support, as well as high quality products at competitive prices. The company's processes and procedures, from design to after sales service, are fully ISO 9001, ISO14001 and ISO/TS16949 certified, and all products are RoHs compliant.

With sales offices worldwide, and a reliable logistics process, EIC is able to offer customers quick responses to both technical enquiries and product delivery.

The EIC Engineering team is focused on developing superior discrete products to satisfy the variety of requirements from new customer systems. The company also offers an extensive capability for research and development of special purpose devices, to satisfy unique customer applications. These are achieved with close attention to cost reduction and fast time to market.

# Product Portfolio



## Portfolio

- Standard Rectifier Diodes
- Fast Recovery Diodes
- Ultra Fast Recovery Diodes
- Super Fast Recovery Diodes
- High Voltage Rectifier Diodes
- Schottky Diodes
- High Speed Switching Diodes
- Diacs
- Zener Diodes
- Transient Voltage Suppressor Diodes
- Bridge Rectifiers

## Application

- Computing
- Communication
- Medical
- Automobile
- Aerospace
- Civilian Industry

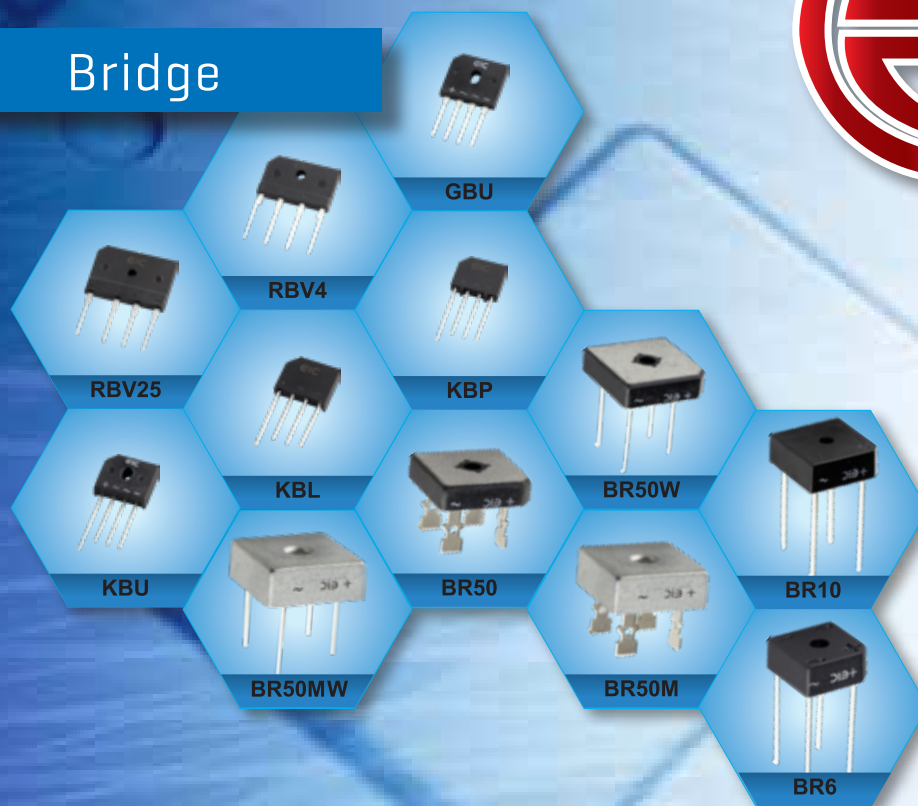
	Rectifiers	Signal/Switching Diodes/ Schottkys	Zeners	TVS / Transient Voltage Suppressors
Current [A]	0.25 to 50 A			
Power [W]			0.25 to 5 W	400 to 50.000 W
Voltage [V]	max. Reverse 20V - 10.000V <sub>Z</sub>		2-400V	
Breakdown Voltage				6.45 to 480V <sub>BR</sub>
Recovery Time [ns]	max. 15 to 500ns			
Package	Axial Lead, THT, SMD, Button, 1~/3~ Bridge, Brick, Cell Rectifiers: Standard / SuperFast / Schottky Switching: Full industrial standard range		Axial Lead, THT, SMD, Button, Cell Zeners: Low / Medium / High Power TVS: Low- / Ultra-Low Capacitance / Automotive TVS	

# Product Portfolio

## Axial Lead

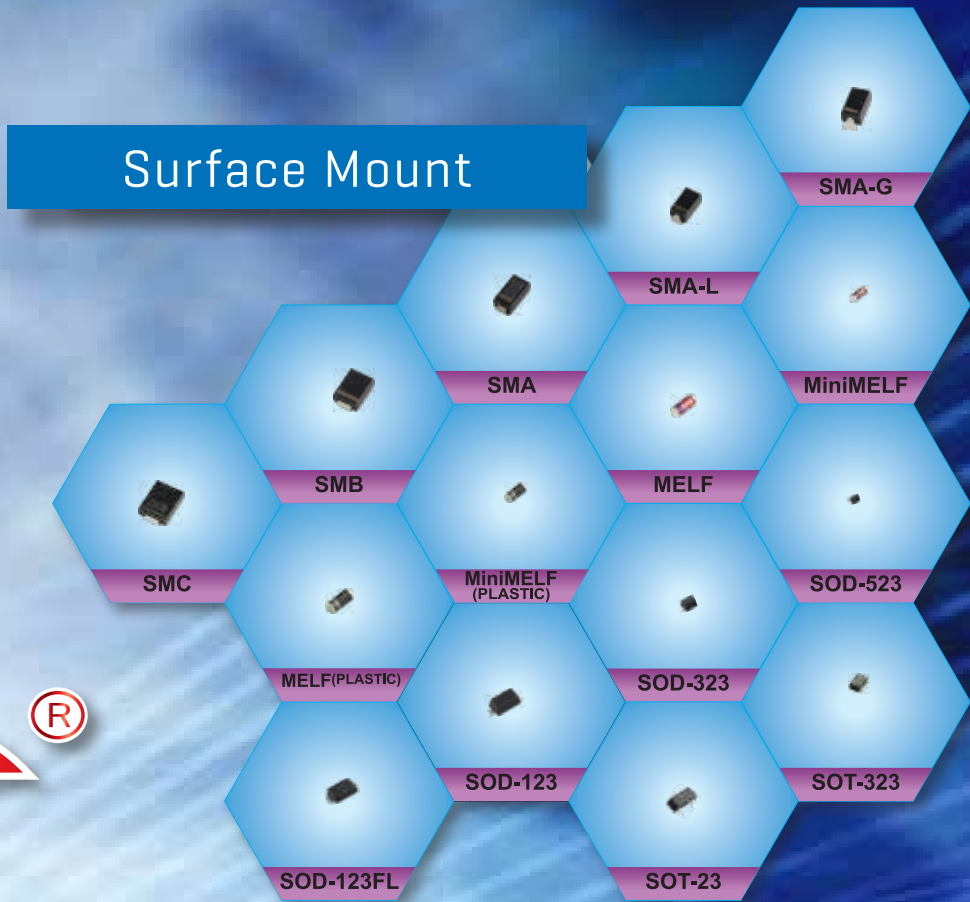


## Bridge





# Surface Mount



# Auto



# Mini Bridge

# Cell



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MBRS4201	30	MUR440 - MUR460	18	R2000F	22
MM1W3V6B - MM1W36B	36	MUR1100E	17	R2G	13
MM1Z2V4 - MM1Z75	36	MUR2100	18	R2K	13
MM1Z2V7B - MM1Z39B	36	MUR810 - MUR860	20	R2KN	13
MM1Z4689 - MM1Z4717	36	MUR810CT - MUR860CT	20	R2KS	13
MM1Z5221B - MM1Z5267B	36	MUR1610 - MUR1660	20	R2KY	13
MM3Z2B4 - MM3ZB75	35	MUR1610CT - MUR1660CT	21	R2M	13
MM3Z2V0 - MM3Z75	35	MUR2010 - MUR2060	21	R3000	22
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RB055L-40	30	RL251 - RL257	11	S5688B - S5688N	11
RB441Q-40	25	RL2Z	18	SA5.0 - SA170 (A)	38
RB501V-40	28	RL3A	18	SA5.0C - SA170C (A)	38
RB520S-30	28	RL4A	18	SAC5.0 - SAC50	41
RB521G-30	28	RL4Z	18	SB120 - SB1B0	26
RB521S-30	28	RLS245	33	SB1645 - SB16100	30
RB521S-40	28	RLS-73	32	SB2045 - SB20100	30
RB706F-40	28	RLZ2.4B - RLZ39B	36	SB220 - SB2B0	26
RB721Q-40	25	RM10 - RM10Z	11	SB220S - SB2B0S	26
RB751S-40	28	RM11A - RM11C	11	SB2520 - SB2540	27
RB751V-40	28	RM2 - RM2Z	11	SB320 - SB3B0	26
RBV401 - RBV406	42	RM25	13	SB320S - SB3B0S	26
RBV600 - RBV610	42	RM3 - RM3C	11	SB5150 - SB5200	27
RBV800 - RBV810	42	RM3A	11	SB520 - SB5B0	27
RBV1000 - RBV1010	42	RM4 - RM4Z	11	SB520S - SB5B0S	27
RBV1500 - RBV1510	42	RN1Z	17	SB706D-40	28
RBV2500 - RBV2510	43	RP1H	24	SBO20 - SBOB0	26
RBV3500 - RBV3510	43	RS1A - RS1M	16	SBT20 - SBTB0	26
RBV5000 - RBV5010	43	RS3A - RS3K	16	SD101A - SD101C	25
RD2.0EB - RD39EB4	34	RS3AS - RS3KS	16	SD101AW - SD101CW	27
RD2.0ESAB - RD39ESAB4	34	RT100KP40A - RT100KP400A	39	SD101AWS - SD101CWS	28
RD2.0FM - RD120FM	36	RT100KP40CA - RT100KP400CA	39	SD103A - SD103C	25
RD2A	20	RU1 - RU1B	14	SD103AW - SD103CW	29
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RD6.8FB - RD82FB	34	RU2 - RU2Z	14	SD1045	27
RG10 - RG10Y	20	RU2M - RU2AM	14	SD1245	27
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RG2 - RG2Z	17	RU3C	15	SD1645	27
RG2A	17	RU3YX	15	SD2045	27
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RG4A	17	RU4C	15	SD3030MR	30
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RGP02-12ES - RGP02-20ES	23	S1A - S1M	12	SE3A - SE3M	19
RGP10A - RGP10M	14	S1T	23	SE5A - SE5M	19
RGP15A - RGP15M	15	S1ZB20 - S1ZB80	42	SEOA - SEOM	19
RGP20A - RGP20J	15	S25VB20 - S25VB60	43	SETA - SETM	19
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RGP30A - RGP30M	15	S3L20U	20	SF11G - SF19G	20
RH1 - RH1C	14	S3L60	20	SF21 - SF29	20
RH4F	23	S50VB80	43	SF21G - SF29G	20

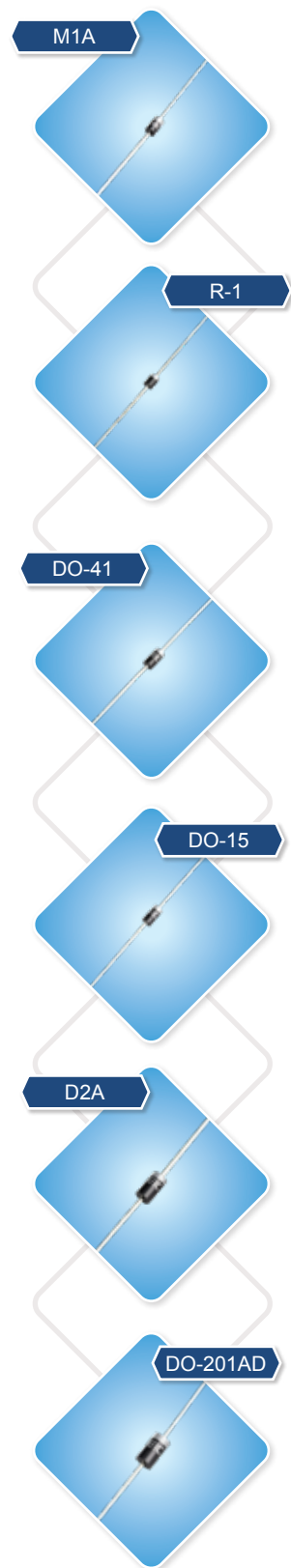
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SF51 - SF59	20	SMBJ-LC5.0 - SMBJ-LC188 (A)	41	STBK06I - STBK0G4 (5)	40
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SFO1 - SFO9	20	SMC1520	19	STBP06I - STBP0H5 (5)	39
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SFPB-54	29	SMCJ5.0 - SMCJ188 (A)	40	STBS06H - STBS05D0 (5)	39
SFT1 - SFT9	20	SMCJ200 - SMCJ440 (A)	40	STTH1R06U	21
SHV-02	22	SMCJ5.0C - SMCJ188C (A)	40	SZ103D - SZ10D0 (5)	36
SHV-02JN	11	SMCJ200C - SMCJ440C (A)	40	SZ10D2 - SZ10E8 (5)	36
SHV-03S	24	SMCJLCE6.5 - SMCJLCE170 (A)	41	SZ202H - SZ20D0 (5)	36
SHV-04	22	SML4728 - SML4764 (A)	36	SZ303D - SZ30D0 (5)	36
SHV-05EN	24	SMLJ5.0 - SMLJ170 (A)	40	SZ403D - SZ40D0 (5)	37
SHV-05JS	22	SMLJ5.0C - SMLJ170C (A)	40	SZ40D2 - SZ40E8 (5)	37
SHV-06EN	24	SMLJ-LC5.0 - SMLJ-LC170 (A)	41	SZ503J - SZ50D0 (5)	37
SHV-06HN	22	SN13	22	SZ50D2 - SZ50F0 (5)	37
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SK1045	30	SN3A - SN3M	13	TPSMC6.8 - TPSMC43 (A)	40
SK114	22	SN3AS - SN3MS	12	TVR1B - TVR1J	14
SK12 - SK1B	29	SN3N - SN3R	23	TVR4J - TVR4N	14
SK1545	30	SN5A - SN5M	13	TZMC2V4 - TZMC75 (B)	36
SK22 - SK2B	30	SN5N - SN5R	23	TZS4678 - TZS4717	36
SK22S - SK2BS	30	SNOA - SNOM	12	UF4001 - UF4007	17
SK31SVF - SK34SVF	30	SR115	26	UF4001G - UF4007G	17
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SK32S - SK3BS	30	SR1R	23	ULCEEPS5 - ULCEEPS48	41
SK51SVF - SK53SVF	30	SR2A - SR2M	16	US1A - US1M	18
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SK52S - SK5BS	30	SROA - SROM	16	Z043 - Z0200 (A, B)	34
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SM513A - SM2000A	23	SS1J-G	21	Z1T-100A - Z1T-330A (B)	34
SMA5817 - SMA5819	29	SS2A - SS2M	21	Z1UL-200A - Z1UL-350A (B)	34
SMAJ5.0 - SMAJ188 (A)	39	SS3A - SS3M	21	ZM4728A - ZM4761A (C)	36
SMAJ180 - SMAJ440 (A)	39	SS3AS - SS3MS	21	ZMM2.4 - ZMM75 (B)	36
SMAJ5.0C - SMAJ188C (A)	39	SS5A - SS5M	21	ZMM5221B - ZMM5267B (C)	36
SMAJ180C - SMAJ440C (A)	39	SSOA - SSOM	21	ZMY3.9 - ZMY75 (C)	36
SMAJ5913A - SMAJ5956A (B)	37	SSTA - SSTM	21	ZPD2.7 - ZPD75	34
SMAZ5V1 - SMAZ39	36	STU606I - STU60G4 (5)	40	ZPU100 - ZPU180	35
SMBJ5.0 - SMBJ440 (A)	40	STB606I - STB60G4 (5)	40	ZPY3.9 - ZPY75	35
SMBJ5.0C - SMBJ440C (A)	40	STUB06I - STUB0G4 (5)	39	ZY3.6 - ZY200	35



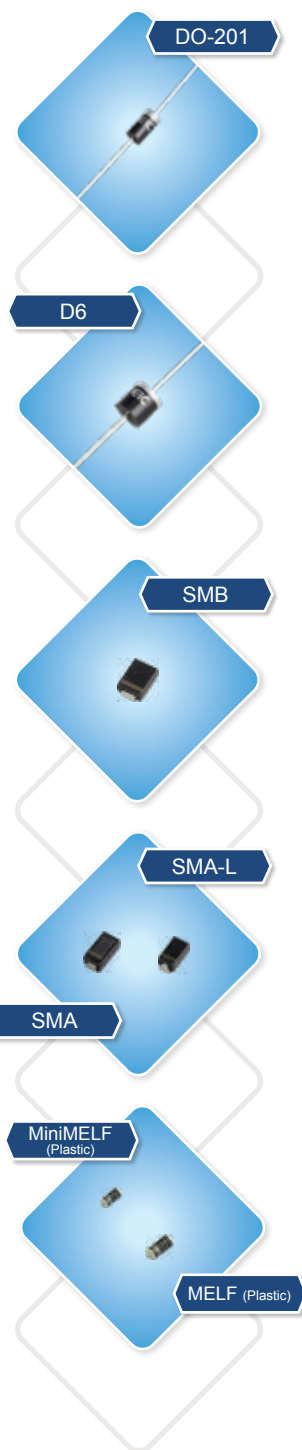
# Rectifier Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Package
SHV-02JN	0.03	1,000	2	0.01	DO-41
10EDA60	1	600	1	1	M1A
1SR139-100 - 1SR139-600	1	100 - 600	1.1	1	M1A
AM01A	1	600	0.98	1	M1A
LMN1A - LMN1M	1	50 - 1,000	1.1	1	M1A
S5688B - S5688N	1	100 - 1,000	1.2	1	M1A
1A1 - 1A7	1	50 - 1,000	1.1	1	R-1
11E1 - 11E6	1	100 - 600	1	1	DO-41
1N4001 - 1N4007	1	50 - 1,000	1.1	1	DO-41
1N4001G - 1N4007G	1	50 - 1,000	1	1	DO-41
1SR35-100 - 1SR35-400	1	100 - 400	1.1	1	DO-41
BYW27-50 - BYW27-1000	1	50 - 1,000	1	1	DO-41
EM01 - EM01Z	1	200 - 600	0.97	1	DO-41
EM1B - EM1C	1	800 - 1,000	0.97	1	DO-41
ERA15-01 - ERA15-10	1	100 - 1,000	1.1	2	DO-41
GP10A - GP10M	1	50 - 1,000	1.1 - 1.2	1	DO-41
S5277B - S5277N	1	100 - 1,000	1.2	1	DO-41
S5566B - S5566N	1	100 - 1,000	1.2	1	DO-41
1S1885 - 1S1888	1	100 - 600	1.2	1.5	DO-15
EM2 - EM2B	1.2	400 - 800	0.92	1.2	DO-41
RM11A - RM11C	1.2	600 - 1,000	0.92	1.5	DO-15
RM2 - RM2Z	1.2	200 - 1,000	0.91	1.5	D2A
RM10 - RM10Z	1.2 - 1.5	200 - 800	0.91	1.5	DO-15
1N5391 - 1N5399	1.5	50 - 1,000	1.1	1.5	DO-41
GP15A - GP15M	1.5	50 - 1,000	1.1	1.5	DO-15
RM4 - RM4Z	1.7	100 - 400	0.95	3	DO-201AD
DL201 - DL207	2	50 - 1,000	1	2	DO-15
RL251 - RL257	2.5	50 - 1,000	1.1	2.5	D2A
RM3 - RM3C	2.5	400 - 1,000	0.95	2.5	DO-201AD
RM3A	2.5	600	0.95	2.5	DO-201AD



# Rectifier Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Package
1N5624 - 1N5627	3	200 - 800	1	3	D2A
G3A4	3	400	1	3	D2A
G5A4	3	400	1	3	DO-201
1N5400 - 1N5408	3	50 - 1,000	1	3	DO-201AD
1N5400G - 1N5408G	3	50 - 1,000	1	3	DO-201AD
BY251 - BY254	3	200 - 800	1.1	3	DO-201AD
BY550-50 - BY550-1000	5	50 - 1,000	1.1	5	DO-201AD
6A05 - 6A10	6	50 - 1,000	0.95 - 1	6	D6
P600A - P600M	6	50 - 1,000	1	6	D6
P800A - P800K	8	50 - 800	1	8	D6
10A01 - 10A07	10	50 - 1,000	1	10	D6
MR750 - MR760	22	50 - 1,000	0.9	6	D6
MR2500L - MR2512L	25	50 - 1,200	1	25	D6
MR3500L - MR3512L	35	50 - 1,200	1.1	35	D6
MR5000L - MR5010L	50	50 - 1,000	1.1	50	D6
1SR154-400 - 1SR154-600	1	400 - 600	1.1	1	SMA
D1F60	1	600	1.1	1	SMA
GF1A - GF1M	1	50 - 1,000	1	1	SMA
GN1A - GN1M	1	50 - 1,000	1	1	SMA
SN1A - SN1M	1	50 - 1,000	1.1	1	SMA
S1A - S1M	1	50 - 1,000	1.1	1	SMA-L
MRA4003 - MRA4007	1	300 - 1,000	1.1	1	SMA-L
LM4001 - LM4007	1	50 - 1,000	1.1	1	MiniMELF (Plastic)
DL4001 - DL4007	1	50 - 1,000	1.1	1	MELF (Plastic)
GNOA - GNOM	1.5	50 - 1,000	1.1	1.5	SMA
SNOA - SNOM	1.5	50 - 1,000	1.1	1.5	SMA
GN2A - GN2M	2	50 - 1,000	1.1	2	SMB
SN2A - SN2M	2	50 - 1,000	1	2	SMB
GNTA - GNTM	2.5	50 - 1,000	1.1	2.5	SMB
SN3AS - SN3MS	3	50 - 1,000	1.2	3	SMB



# Rectifier Diodes



Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Package
GN3A - GN3M	3	50 - 1,000	1	3	SMC
SN3A - SN3M	3	50 - 1,000	1	3	SMC
SN5A - SN5M	5	50 - 1,000	1.1	5	SMC
CN5A - CN5M	5	50 - 1,000	1.1	5	C5A
GN6A - GN6M	6	50 - 1,000	1.1	6	SMC
CN18A - CN18M	18	50 - 1,000	1.1	18	C25A
MR2500 - MR2512	25	50 - 1200	1	25	MR
AR2500 - AR2512	25	50 - 1200	1	25	AR
CN25A - CN25M	25	50 - 1,000	1.1	25	C25A
MR3500 - MR3512	35	50 - 1,200	1.1	35	MR
AR3500 - AR3510	35	50 - 1,000	1.1	35	AR
MR5000 - MR5010	50	50 - 1,000	1.1	50	MR
AR5000 - AR5010	50	50 - 1,000	1.1	50	AR

# Avalanche Rectifier Diodes

Series No.	$I_{ZMS}$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	$V_{BR(MIN)}$	$V_{BR(MAX)}$	$I_Z$ (mA)	Package
R2G	1	115	-	-	120	145	1	DO-15
R2K	1	150	-	-	170	200	1	DO-15
R2KN	1	140	-	-	150	170	1	DO-15
R2KS	1	145	-	-	160	180	1	DO-15
R2M	1	130	-	-	135	180	1	DO-15
BYD13D - BYD13M	1.4	200 - 1,000	-	-	225 - 1,100	1600	1	DO-41
BYW54 - BYW56	2	600 - 1,000	-	-	650 - 1,100	-	0.1	DO-41
R2KY	2	120	-	-	130	155	1	DO-15
RM25	3	40	-	-	50	61.5	1	DO-15
BYM56A - BYM56E	3.5	200 - 1,000	-	-	225 - 1,100	-	0.1	DO-201AD
BYD17DA - BYD17MA	1.5	200 - 1,000	-	-	225 - 1,100	-	0.1	SMA
BYG10D - BYG10M	1.5	200 - 1,000	1.15	1.5	-	-	-	SMA

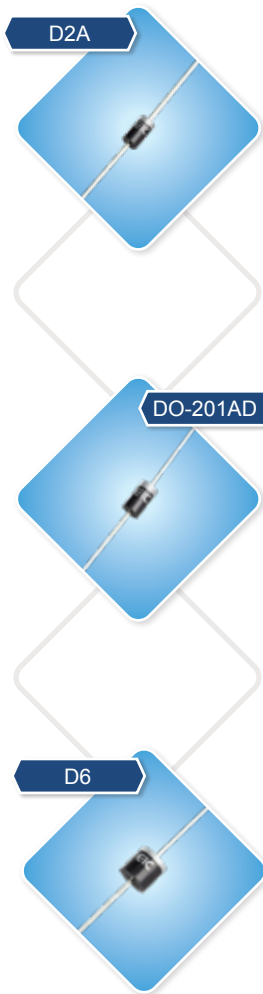


# Fast Recovery Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	$T_{rr}$	Package
ERA34-10	0.1	1,000	3	0.1	0.15 $\mu$ s	DO-41
AP01C	0.2	1,000	4	0.2	200 $\mu$ s	DO-41
EP01C	0.2	1,000	4	0.2	200 ns	DO-41
EU1C	0.2	1,000	2.5	0.2	0.4 $\mu$ s	DO-41
RU1C	0.2	1,000	3	0.25	400 ns	DO-15
EU1 - EU1Z	0.25	200 - 600	2.5	0.25	0.4 $\mu$ s	DO-41
RU1 - RU1B	0.25	400 - 800	2.5	0.25	400 ns	DO-15
TVR1B - TVR1J	0.5	100 - 600	1.2	0.5	300 ns	DO-41
05NU42	0.5	1,000	3	0.5	100 ns	M1A
05NU41	0.5	1,000	3	0.5	100 ns	DO-41
ERA22-02 - ERA22-10	0.5	200 - 1,000	1.5	0.5	0.4 $\mu$ s	DO-41
RH1 - RH1C	0.6	400 - 1,000	1.3	0.6	4.0 $\mu$ s	DO-15
1SR153-100 - 1SR153-400	0.8	100 - 400	1.3	0.8	250 ns	DO-41
AU02 - AU02A	0.8	200 - 600	1.3	0.8	0.4 $\mu$ s	DO-41
ERB38-04 - ERB38-06	0.8	400 - 600	2.5	0.8	0.05 $\mu$ s	DO-41
1GH46	1	400	1.1	1	200 ns	M1A
LMR1A - LMR1M	1	50 - 1,000	1.0	1	150 - 500 ns	M1A
1F1 - 1F7	1	50 - 1,000	1.3	1	150 - 500 ns	R-1
1N4933 - 1N4937	1	50 - 600	1.2	1	150 ns	DO-41
1SR124-100 - 1SR124-400	1	100 - 400	1.3	1	250 ns	DO-41
EU2 - EU2Z	1	200 - 600	1.4	1	0.4 $\mu$ s	DO-41
BA157 - BA159	1	400 - 1,000	1.3	1	150 - 250 ns	DO-41
ERB44-02 - ERB44-10	1	200 - 1,000	1.1	1	0.4 $\mu$ s	DO-41
FR101 - FR107	1	50 - 1,000	1.3	1	150 - 500 ns	DO-41
FR101G - FR107G	1	50 - 1,000	1.3	1	150 - 500 ns	DO-41
RGP10A - RGP10M	1	50 - 1,000	1.3	1	150 - 500 ns	DO-41
RU2 - RU2Z	1	200 - 800	1.5	1	400 ns	DO-15
RU2M - RU2AM	1.1	400 - 600	1.2	1.1	400 ns	DO-15
TVR4J - TVR4N	1.2	600 - 1,000	1.2	5	20 $\mu$ s	DO-15
BYT52A - BYT52M	1.4	50 - 1,000	1.3	1	200 ns	DO-41



# Fast Recovery Diodes



Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Trr	Package
1R5GH45	1.5	400	1.1	1.5	200 ns	DO-15
1R5JH45	1.5	600	1.2	1.5	200 ns	DO-15
RGP15A - RGP15M	1.5	50 - 1,000	1.3	1.5	150 - 250 ns	DO-15
RU3 - RU3A	1.5	400 - 600	1.5	1.5	400 ns	D2A
RU3C	1.5	1,000	2	1.5	400 ns	D2A
RU4 - RU4B	1.5	400 - 800	1.5 - 1.6	3	0.4 $\mu$ s	DO-201AD
BYW32 - BYW36	2	200 - 600	1.2	2	200 ns	DO-15
BY296 - BY299	2	100 - 800	1.3	2	250 ns	DO-15
FR201 - FR207	2	50 - 1,000	1.3	2	150 - 250 ns	DO-15
FR201G - FR207G	2	50 - 1,000	1.3	2	150 - 500 ns	DO-15
RU3YX	2	100	0.95	2	200 ns	D2A
RGP20A - RGP20J	2	50 - 600	1.3	2	150 - 250 ns	D2A
RU4Y - RU4Z	2	100 - 150	1.3	3.5	0.4 $\mu$ s	DO-201AD
RU4M - RU4AM	2	400 - 600	1.3	3.5	0.4 $\mu$ s	DO-201AD
RU4C	1.5	1,000	1.6	3	0.4 $\mu$ s	DO-201AD
RU4YX	2.2	100	1.3	3.5	200 ns	DO-201AD
FR251 - FR257	2.5	50 - 1,000	1.3	2.5	150 - 500 ns	D2A
FR251G - FR257G	2.5	50 - 1,000	1.3	2.5	150 - 500 ns	D2A
1N5415 - 1N5420	3	50 - 600	1.1	3	150 - 400 ns	D2A
ERC91-02	3	200	0.95	3	0.035 $\mu$ s	DO-201AD
MR850 - MR858	3	50 - 600	1.25	3	150 ns	DO-201AD
BY396 - BY399	3	100 - 800	1.25	3	250 ns	DO-201AD
RGP30A - RGP30M	3	50 - 1,000	1.3	3	150 - 500 ns	DO-201AD
BYT56A - BYT56M	3	50 - 1,000	1.4	3	100 ns	DO-201AD
FR301 - FR307-STR	3	50 - 1,000	1.3	3	150 - 500 ns	DO-201AD
FR301G - FR307G-STR	3	50 - 1,000	1.3	3	150 - 500 ns	DO-201AD
BY500-50 - BY500-1000	5	500 - 1,000	1.3	5	200 ns	DO-201AD
FR501 - FR507	5	50 - 1,000	1.3	5	150 - 500 ns	DO-201AD
FR601 - FR607	6	50 - 1,000	1.3	6	150 - 500 ns	D6
F1200A - F1200D	12	50 - 200	0.85	5	200 ns	D6

# Fast Recovery Diodes

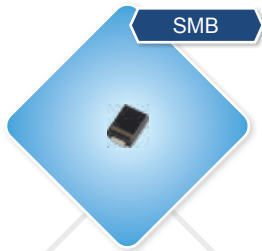
Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Trr	Package
FT2000AD/ KD	20	200	0.96	20	200 ns	TO-220AC
GR1A - GR1M	1	50 - 1,000	1.3	1	150 - 500 ns	SMA
RGF1A - RGF1M	1	50 - 1,000	1.3	1	150 - 250 ns	SMA
SR1A - SR1M	1	50 - 1,000	1.3	1	150 - 250 ns	SMA
RS1A - RS1M	1	50 - 1,000	1.3	1	150 - 500 ns	SMA-L
RGL1MW	1	1,000	1.3	1	500 ns	SOD-123FL
GROA - GROM	1.5	50 - 1,000	1.4	1.5	150 - 500 ns	SMA
SROA - SROM	1.5	50 - 1,000	1.3	1.5	150 - 250 ns	SMA
GR2A - GR2M	2	50 - 1,000	1.3	2	150 - 500 ns	SMB
SR2A - SR2M	2	50 - 1,000	1.3	2	150 - 500 ns	SMB
SRTA - SRTM	2.5	50 - 1,000	1.3	2.5	150 - 500 ns	SMB
RS3AS - RS3KS	3	50 - 800	1.3	3	150 - 500 ns	SMB
GR3A - GR3M	3	50 - 1,000	1.3	3	150 - 500 ns	SMC
RS3A - RS3K	3	50 - 800	1.3	3	150 - 500 ns	SMC
SMC1200D	12	200	0.85	5	200 ns	SMC
SMC2000D	20	200	0.96	20	200 ns	SMC
FAR5000 - FAR5010	50	50 - 1,000	1.3	50	150 - 500 ns	AR



# Avalanche Fast Recovery Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	$V_{BR(MIN)}$	$I_R$ (mA)	Trr	Package
BYD33D - BYD33M	1.3	200 - 1,000	1.3	1	300 - 1,100	0.1	250 - 300 ns	DO-41
BYV36A - BYV36E	1.5 - 1.6	200 - 1,000	1.35 - 1.45	1	300 - 1,100	0.1	100 - 150 ns	DO-15
BYV95A - BYV96E	1.5	200 - 1,000	1.6	3	300 - 1,100	0.1	250 - 300 ns	DO-15
BYW95A - BYW96E	3	200 - 1,000	1.5	5	300 - 1,100	0.1	250 - 300 ns	DO-201AD
BYM36A - BYM36E	2.9 - 3.0	200 - 1,000	1.6 - 1.78	3	300 - 1,100	0.1	100 - 150 ns	DO-201AD
BYD37DA - BYD37MA	1.5	200 - 1,000	1.3	1	300 - 1,100	0.1	250 - 300 ns	SMA
BYG24D - BYG24J	1.5	200 - 600	1.25	1.5	200 - 600	0.1	140 ns	SMA-L

# Ultra Fast Recovery Diodes



Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Trr	Package
AG01A	0.5	600	1.8	0.5	100 ns	DO-41
EG01A	0.5	600	2	0.5	100 ns	DO-41
EG01C	0.5	1,000	3.3	0.5	100 ns	DO-41
EG1A	0.6	600	2	0.6	100 ns	DO-41
AG01Z - AG01	0.7	200 - 400	1.8	0.7	100 ns	DO-41
EG01 - EG01Z	0.7	200 - 400	1.9 - 2	0.7	100 ns	DO-41
RG1C	0.7	1,000	3.3	0.7	100 ns	DO-15
EG1 - EG1Z	0.8	200 - 400	1.7 - 1.8	0.8	100 ns	DO-41
D1NL40	0.9	400	1.3	0.9	50 ns	DO-41
AL01Z	1	200	0.98	1	50 ns	M1A
1JU41	1	600	2	1	100 ns	M1A
1JU42	1	600	2	1	100 ns	M1A
1H1G - 1H8G	1	50 - 1,000	1 - 1.7	1	50 - 70 ns	M1A
LME1A - LME1M	1	50 - 1,000	1.2 - 1.8	1	50 - 75 ns	M1A
AL01	1	400	1.4	1	50 ns	DO-41
MUR1100E	1	1,000	1.75	1	75 ns	DO-41
HER101 - HER108	1	50 - 1,000	1.1 - 1.7	1	50 - 75 ns	DO-41
UF4001 - UF4007	1	50 - 1,000	1 - 1.7	1	50 - 75 ns	DO-41
UF4001G - UF4007G	1	50 - 1,000	1 - 1.7	1	50 - 75 ns	DO-41
RG2A	1	600	2	1.5	100 ns	D2A
RG4Z	1	200	1.7	3	100 ns	DO-201AD
RG4	1	400	1.8	3	100 ns	DO-201AD
RG4A	1	600	2	2	100 ns	DO-201AD
RG2 - RG2Z	1.2	200 - 400	1.5 - 1.8	1.5	100 ns	DO-15
EL1	1.5	400	1.3	1.5	100 ns	DO-41
EL1Z	1.5	200	0.98	1.5	50 ns	DO-41
HER151 - HER158	1.5	50 - 1,000	1.1 - 1.7	1.5	50 - 75 ns	DO-41
RN1Z	1.5	200	0.92	1.5	100 ns	DO-15
MUR220	2	200	0.95	2	25 ns	DO-41
MUR260	2	600	1.5	2	50 ns	DO-41

# Ultra Fast Recovery Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	$T_{rr}$	Package
MUR2100	2	1,000	2.2	2	75 ns	DO-41
EGP20A - EGP20D	2	50 - 200	0.95	2	50 ns	DO-15
EGP20G	2	400	1.25	2	50 ns	DO-15
HER201 - HER208	2	50 - 1,000	1.1 - 1.7	2	50 - 75 ns	DO-15
RGP20DT	2	200	1.3	2	80 ns	D2A
RL2Z	2	200	0.98	2	50 ns	D2A
RL3A	2	600	1.7	3	50 $\mu$ s	DO-201AD
1N5802 - 1N5806	2.5	50 - 150	0.875	2.5	25 ns	DO-41
HER251 - HER258	2.5	50 - 1,000	1.1 - 1.7	2.5	50 - 75 ns	D2A
3GU41	3	400	1.5	3	100 ns	DO-201AD
RL4A	3	600	1.5	3	50 ns	DO-201AD
HER301 - HER308	3	50 - 1,000	1.1 - 1.7	3	50 - 75 ns	DO-201AD
UF5400 - UF5408	3	50 - 1,000	1 - 1.7	3	50 - 75 ns	DO-201AD
RL4Z	3.5	200	0.95	3.5	50 ns	DO-201AD
MUR410 - MUR420	4	100 - 200	0.89	4	25 ns	DO-201AD
MUR410S - MUR420S	4	100 - 200	0.95	4	35 ns	DO-201AD
MUR440 - MUR460	4	400 - 600	1.28	4	50 ns	DO-201AD
HER501 - HER508	5	50 - 1,000	1.1 - 1.7	5	50 - 75 ns	DO-201AD
HER601 - HER608	6	50 - 1,000	1.1 - 1.7	6	50 - 75 ns	D6
HER601G - HER608G	6	50 - 1,000	1.1 - 1.7	6	50 - 75 ns	D6
FMG22S/ R	10	200	1.8	5	100 ns	ITO-220AB
MURA105 - MURA110	1	50 - 100	0.875	1	100 ns	SMA
MURA120	1	200	0.875	1	35 ns	SMA
MURA130 - MURA140	1	300 - 400	1.1	1	65 ns	SMA
SE1A - SE1M	1	50 - 1,000	1.1 - 2.2	1	50 - 75 ns	SMA
US1A - US1M	1	50 - 1,000	1.1 - 1.7	1	50 - 75 ns	SMA-L
MURS105 - MURS115	1	50 - 150	0.875	1	25 ns	SMB
MURS120	1	200	0.875	1	30 ns	SMB
MURS140	1	400	1.25	1	50 ns	SMB
MURS160	1	600	1.5	1	50 ns	SMB





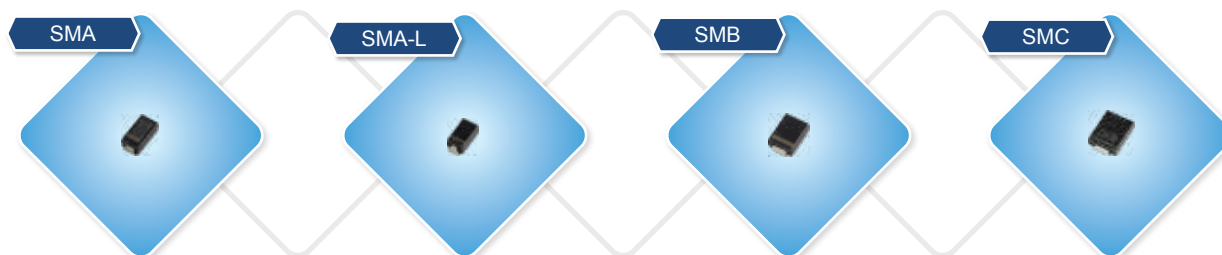
# Ultra Fast Recovery Diodes



Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Trr	Package
SEOA - SEOM	1.5	50 - 1,000	1.1 - 1.7	1.5	50 - 75 ns	SMA
MURA260	2	600	1.45	2	75 ns	SMA
MURS220T3	2	200	0.95	2	25 ns	SMB
SE2A - SE2M	2	50 - 1,000	1.1 - 1.7	2	50 - 75 ns	SMB
1N5802US - 1N5806US	2.5	50 - 150	0.875	2.5	25 ns	SMA
SETA - SETM	2.5	50 - 1,000	1.1 - 1.7	2.5	50 - 75 ns	SMB
MURS320T3	3	200	0.875	3	25 ns	SMC
SE3A - SE3M	3	50 - 1,000	1.1 - 1.7	3	50 - 75 ns	SMC
SE5A - SE5M	5	50 - 1,000	1.1 - 1.7	5	50 - 75 ns	SMC
CE5M	5	1,000	1.7	5	75 ns	C5A
SMC1520	15	200	1.05	15	35 ns	SMC
HAR5000 - HAR5010	50	50 - 1,000	1.5 - 1.7	50	50 - 75 ns	AR

# Avalanche Ultra Fast Recovery Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	$V_{BR(MIN)}$	$I_R$ (mA)	Trr	Package
BYV26A - BYV26E	1	200 - 1,000	2.5	1	300 - 1,500	0.1	30 - 75 ns	DO-41
BYW178	3	800	1.9	3	-	-	60 ns	DO-201AD
BYG20D - BYG20J	1.5	200 - 600	1.4	1.5	-	-	75 ns	SMA-L
BYD57DA - BYD57MA	1.0 - 1.2	200 - 1,000	2.3 - 3.6	1.0 - 1.2	300 - 1500	0.1	30 - 150 ns	SMA
BYD77AA - BYD77GA	2	50 - 400	0.98 - 1.05	1	55 - 440	0.1	25 - 50 ns	SMA



# Super Fast Recovery Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	$T_{rr}$	Package
D1NL20U	1	200	0.98	1	35 ns	M1A
LMS1A - LMS1M	1	50 - 1,000	0.98 - 3	1	35 ns	M1A
ERA32-01 - ERA32-02	1	100 - 200	0.92	1	100 ns	DO-41
FE1A - FE1G	1	50 - 400	0.95 - 1.25	1	50 ns	DO-41
MUR120S	1	200	0.95	1	35 ns	DO-41
MUR120 - MUR140	1	200 - 400	0.875 - 1.25	1	25 - 50 ns	DO-41
MUR160	1	600	1.5	1	50 ns	DO-41
SF11 - SF19	1	50 - 1,000	0.95 - 4	1	35 ns	DO-41
SF11G - SF19G	1	50 - 1,000	0.95 - 4	1	35 ns	DO-41
RG10 - RG10Y	1.0 - 1.5	70 - 600	1.1 - 2	1.0 - 1.5	35 ns	DO-15
RD2A	1.2	600	1.55	1.2	50 ns	D2A
SFO1 - SFO9	1.5	50 - 1,000	0.95 - 4	1.5	35 ns	DO-41
S2L20U	1.5	200	0.98	1.5	35 ns	D2A
FE2A - FE2G	2	50 - 400	0.95 - 1.25	2	35 ns	DO-15
SF21 - SF29	2	50 - 1,000	0.95 - 3.5	2	35 ns	DO-15
SF21G - SF29G	2	50 - 1,000	0.95 - 3.5	2	35 ns	DO-15
S3L60	2.2	600	1.5	2.2	50 ns	DO-201AD
SFT1 - SFT9	2.5	50 - 1,000	0.95 - 4	2.5	35 ns	D2A
S3L20U	3	200	0.98	2.1	35 ns	DO-201AD
FE3A - FE3D	3	50 - 200	0.95	3	35 ns	DO-201AD
SF31 - SF39	3	50 - 1,000	0.95 - 4	3	35 ns	DO-201AD
SF31G - SF39G	3	50 - 1,000	0.95 - 4	3	35 ns	DO-201AD
SF51 - SF59	5	50 - 1,000	0.95 - 4	5	35 ns	DO-201AD
1N5807 - 1N5811	6	50 - 150	0.875	4	30 ns	D2A
SF61G - SF69G	6	50 - 1,000	0.95 - 4	6	35 ns	D6
MUR810 - MUR860	8	100 - 600	0.95 - 1.7	8	35 - 50 ns	TO-220AC
MURF810 - MURF860	8	100 - 600	0.95 - 1.7	8	35 - 50 ns	ITO-220AC
MUR810CT - MUR860CT	8	100 - 600	0.95 - 1.7	8	35 - 50 ns	TO-220AB
MURF810CT - MURF860CT	8	100 - 600	0.95 - 1.7	8	35 - 50 ns	ITO-220AB
MUR1610 - MUR1660	16	100 - 600	0.95 - 1.7	8	35 - 50 ns	TO-220AC



# Super Fast Recovery Diodes



Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Trr	Package
MURF1610 - MURF1660	16	100 - 600	0.95 - 1.7	8	35 - 50 ns	ITO-220AC
MUR1610CT - MUR1660CT	16	100 - 600	0.95 - 1.7	8	35 - 50 ns	TO-220AB
MURF1610CT - MURF1660CT	16	100 - 600	0.95 - 1.7	8	35 - 50 ns	ITO-220AB
MUR2010 - MUR2060	20	100 - 600	1.00 - 1.5	20	35 - 50 ns	TO-220AC
MURF2010 - MURF2060	20	100 - 600	1.00 - 1.5	20	35 - 50 ns	ITO-220AC
MUR2010CT - MUR2060CT	20	100 - 600	1.00 - 1.5	20	35 - 50 ns	TO-220AB
MURF2010CT - MURF2060CT	20	100 - 600	1.00 - 1.5	20	35 - 50 ns	ITO-220AB
MUR1520/ S	15	200	1.05	15	35 ns	TO-220AC
MURA160	1	600	1.5	1	75 ns	SMA
SS1A - SS1M	1	50 - 1,000	0.95 - 4	1	35 ns	SMA
ES1A - ES1J	1	50 - 600	0.98 - 1.7	1	35 ns	SMA-L
ES1K - ES1M	1	800 - 1,000	4	1	35 ns	SMA-L
SS1J-G	1	600	1.7	1	35 ns	SMA-G
STTH1R06U	1	600	1.7	1	25 ns	SMB
SSOA - SSOM	1.5	50 - 1,000	0.95 - 4	1.5	35 ns	SMA
ES2AA - ES2DA	2	50 - 200	0.92	2	25 ns	SMA
ES2A - ES2D	2	50 - 200	0.92	2	35 ns	SMB
SS2A - SS2M	2	50 - 1,000	0.95 - 4	2	35 ns	SMB
SSTA - SSTM	2.5	50 - 1,000	0.95 - 2.5	2.5	35 ns	SMB
SS3AS - SS3MS	3	50 - 1,000	0.95 - 4	3	35 ns	SMB
ES3A - ES3J	3	50 - 600	0.95 - 1.7	3	35 ns	SMC
SS3A - SS3M	3	50 - 1,000	0.95 - 4	3	35 ns	SMC
SS5A - SS5M	5	50 - 1,000	0.95 - 4	5	35 ns	SMC
1N5807US - 1N5811US	6	50 - 150	0.875	4	30 ns	SMB

# Avalanche Super Fast Recovery Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	$V_{BR(MIN)}$	$I_R$ (mA)	Trr	Package
BYV27-50 - BYV27-200	2	50 - 200	1.07	3	55 - 220	0.1	25 ns	DO-41
BYV28-50 - BYV28-200	3.5	50 - 200	1.1	5	55 - 220	0.1	35 ns	D2A

# High Voltage Rectifier Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Package
SHV-02	0.002	2,000	16	0.01	M1A
SHV-04	0.002	4,000	20	0.01	DO-41
SHV-06HN	0.002	6,000	24	0.01	DO-41
SHV-05JS	0.03	2,500	5	0.01	DO-41
SHV-06JN	0.03	3,000	6	0.01	DO-41
SHV-08J	0.03	4,000	8	0.01	DO-41
BY584	0.1	1,800	8.5	0.1	DO-41
R3000	0.2	3,000	3	0.2	DO-41
HVR125 - HVR180	0.2 - 0.5	2,500 - 8,000	3.3 - 8	1	DO-41
GP02-20 - GP02-40	0.25	2,000 - 4,000	3	1	DO-41
HVR4509	0.45	9,000	8	0.45	DO-201AD
R2000F	0.5	2,000	3	0.5	DO-41
HVR230 - HVR250	0.5 - 1.0	3,000 - 5,000	3 - 5	1	DO-15
BY133G	1	1,300	1	1	DO-41
GP10N - GP10Y	1	1,100 - 1,600	1.2 - 1.3	1	DO-41
HVR112 - HVR120	1	1,200 - 2,000	2.2	1	DO-41
SK114	1.45	1,400	1.5	10	DO-15
GD213	2	1,300	1	2	DO-15
BY255	3	1,300	1.1	3	DO-201AD
BY228	3	1,500	1.5	5	DO-201AD
BY1600	3	1,600	1.1	3	DO-201AD
BY1800	3	1,800	1.1	3	DO-201AD
BY2000	3	2,000	1.1	3	DO-201AD
HVR312 - HVR320	3	1,200 - 2,000	2.2	3	DO-201AD
HVR320SVF - HVR330SVF	3	2,000 - 3,000	2.5 - 4	3	DO-201AD
HVR512G - HVR520G	5	1,200 - 2,000	2.2	5	DO-201AD
HVR620	6	2,000	2	6	D6
GN13	1	1,300	1	1	SMA
SN13	1	1,300	1.1	1	SMA
GN16	1	1,600	1.25	1	SMA



## High Voltage Rectifier Diodes



Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Package
SN1N - SN1R	1	1,200 - 2,000	2.2	1	SMA
SM513A - SM2000A	1	1,300 - 2,000	1.1	1	SMA
S1T	1	3,000	3	1	SMA-L
SN3N - SN3R	3	1,200 - 2,000	2.2	3	SMC
SN5N - SN5R	5	1,200 - 2,000	2.2	5	SMC
CN5R	5	2,000	1.2	5	C5A

## High Voltage Fast Recovery Diodes

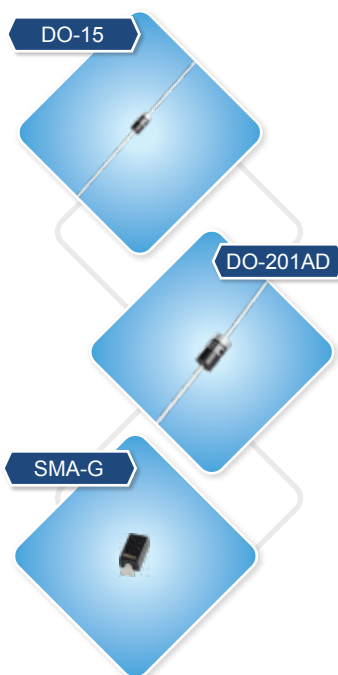


Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Trr	Package
BY8006	0.01	8,000	25	0.1	100 ns	DO-41
BY8004	0.02	5,000	20	0.1	100 ns	DO-41
FHVR1100	0.1	10,000	12	0.1	250 ns	DO-41
FHVR180S	0.2	8,000	10.5	1	150 ns	DO-41
FHVR1120	0.2	12,000	13	0.2	150 ns	DO-15
HFR125 - HFR130	0.25	2,500 - 3,000	5 - 7	0.25	250 ns	DO-41
R3000F	0.3	3,000	3.5	0.3	500 ns	DO-41
HFR180	0.3	8,000	9	0.3	200 ns	DO-41
RGP02-12ES - RGP02-20ES	0.5	1,200 - 2,000	1.8	0.1	300 ns	M1A
RGP02-12E - RGP02-20E	0.5	1,200 - 2,000	1.8	0.1	300 ns	DO-41
FHVR120	1	2,000	2.6	1	500 ns	DO-41
FHVR125G	1.5	2,500	6.5	2	200 ns	DO-201
RH4F	2.5	1,500	1.5	2.5	4.0 $\mu$ s	DO-201AD
3TH41	3	1,500	1.3	3	1.5 $\mu$ s	DO-201AD
GR15	0.5	1,500	2	0.1	300 ns	SMA-L
SR1R	0.5	2,000	3	0.5	200 ns	SMA-L
GR15-G - GR20-G	0.5	1,500 - 2,000	2 - 2.4	0.1	300-500 ns	SMA-G
GR1R	1	2,000	2.6	1	500 ns	SMA
SR1N - SR1P	1	1,200 - 1600	2.6	1	300 ns	SMA-L



## High Voltage Ultra Fast Recovery Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Trr	Package
ESJA04-03A	0.001	3,000	12	0.01	80 ns	M1A
SHV-03S	0.002	3,000	16	0.01	0.18 $\mu$ s	M1A
SHV-08EN	0.002	8,000	30	0.002	50 ns	DO-41
RP1H	0.1	2,000	7	0.1	100 ns	DO-15
UX-G5B	0.35	7,500	-	1	0.15 $\mu$ s	DO-201AD
HUF150	0.5	5,000	12	0.5	90 ns	DO-41
GUH180	0.5	8,000	14	0.5	50 ns	DO-41
1N6519	0.5	10,000	13	0.5	70 ns	DO-41
SE1S	0.5	2,500	9	0.5	100 ns	SMA-L
GE1S-G	0.5	2,500	9	0.5	100 ns	SMA-G



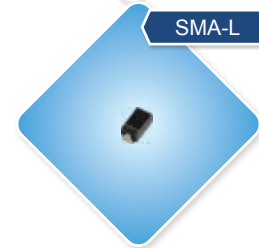
## High Voltage Super Fast Recovery Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Trr	Package
SHV-05EN	0.002	5,000	20	0.01	0.15 $\mu$ s	DO-41
SHV-06EN	0.002	6,000	24	0.01	0.15 $\mu$ s	DO-41
HSF150	0.005	5,000	10	0.01	35 ns	DO-41
HSF160	0.5	6,000	20	0.5	35 ns	DO-41
GS1S	0.2	2,500	6	0.2	35 ns	SMA-L

## High Voltage Avalanche Rectifier Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	$V_{BR}$ (MIN)	$V_{BR}$ (MAX)	$I_R$ (mA)	Package
BYX134GPL	0.05	4,000	5 - 7	0.01	5,500	7,500	0.1	DO-41
BYX134PL	0.05	4,000	5 - 7	0.01	5,500	7,500	0.1	DO-15
HVA08	0.1	8,000	9	0.1A	8,800	-	0.1	DO-41
HVA10 - HVA15	0.1	1,0000 - 15,000	10.8 - 1.62	0.1	11,000	16,500	0.1	HVA15
BYT62	0.35	2,400	3 - 3.6	0.2 - 1	2,500	-	0.1	DO-41
BYT62A	0.35	2,400	3 - 3.6	0.2 - 1	2,500	-	0.1	SMA-L

# Schottky Diodes



Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Package
SD101A - SD101C	-	40 - 60	0.39 - 0.41	0.001	DO-35G
1N5711 - 1N6263	-	60 - 70	0.41	0.001	DO-35G
1SS165	0.015	10	0.6	0.01	DO-34G
1SS199	0.015	30	1	0.003	DO-34G
1SS88	0.015	10	0.43	0.001	DO-35G
1SS108	0.015	30	3	0.001	DO-35G
1SS198	0.03	10	1	0.005	DO-34G
RB721Q-40	0.03	40	0.37	0.001	DO-34G
BAT81 - BAT83	0.03	40 - 60	0.41	0.001	DO-34G
1SS106	0.03	10	0.45	0.001	DO-35G
1SS286	0.035	25	0.6V	0.01	DO-34G
RB441Q-40	0.1	40	0.34	0.01	DO-34G
BAT41	0.1	100	0.4 - 0.45	0.001	DO-35G
BAT46	0.15	100	0.45	0.01	DO-35G
SD103A - SD103C	0.2	40 - 20	0.37	0.2	DO-35G
BAT42 - BAT43	0.2	30	1	0.01, 0.002	DO-35G
BAT85	0.2	30	0.4	0.01	DO-35G
BAT86	0.2	50	0.45	0.01	DO-35G
BAT48	0.35	40	0.3	0.01	DO-35G
AK06	0.7	60	0.62	0.7	DO-41
AK09	0.7	90	0.81	0.7	DO-41
ERA83-004	1	40	0.55	1	M1A
ERA83-006	1	60	0.58	1	M1A
1S20 - 1SB0	1	20 - 100	0.55 - 0.85	1	M1A
LMK12 - LMK1B	1	20 - 100	0.55 - 0.85	1	M1A
1FWJ43	1	30	0.55	1	DO-41
1N5817 - 1N5819	1	20 - 40	0.45 - 0.60	1	DO-41
AK03 - AK04	1	30 - 40	0.55	1	DO-41
MBR150 - MBR160	1	50 - 60	0.75	1	DO-41
ERA81-004	1	40	0.55	1	DO-41

# Schottky Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Package
ERA84-009	1	90	0.9	1	DO-41
SB120 - SB1B0	1	20 - 100	0.5 - 0.79	1	DO-41
SR115	1	150	0.95	1	DO-41
11DQ03 - 11DQ10	1.1	30 - 100	0.55 - 0.85	1	DO-41
EK13 - EK14	1.5	30 - 40	0.55	2	DO-41
EK16	1.5	60	0.62	1.5	DO-41
EK19	1.5	90	0.81	1.5	DO-41
SBO20 - SBOB0	1.5	20 - 100	0.5 - 0.79	1.5	DO-41
21DQ09	1.7	90	0.85	2	DO-41
21DQ10	1.7	100	0.85	2	DO-41
SB220S - SB2B0S	2	20 - 100	0.5 - 0.79	2	DO-41
2GWJ42	2	40	0.55	2	DO-15
ERB81-004	2	40	0.55	2	DO-15
ERB83-004	2	40	0.55	2	DO-15
ERB83-006	2	60	0.58	2	DO-15
ERB84-009	2	90	0.9	2	DO-15
SB220 - SB2B0	2	20 - 100	0.5 - 0.79	2	DO-15
SBT20 - SBTB0	2.5	20 - 100	0.5 - 0.79	2.5	D2A
SB320S - SB3B0S	3	20 - 100	0.5 - 0.79	3	D2A
31DQ06	3	60	0.58	3	DO-201AD
ERC81-006	3	60	0.58	3	DO-201AD
ERC84-009	3	90	0.8	3	DO-201AD
1N5820 - 1N5822	3	20 - 40	0.475-0.525	3	DO-201AD
MBR320 - MBR340	3	20 - 40	0.6	3	DO-201AD
MBR350 - MBR360	3	50 - 60	0.74	3	DO-201AD
MBR3200	3	200	0.9	3	DO-201AD
SB320 - SB3B0	3	20 - 100	0.5 - 0.79	3	DO-201AD
31DQ03 - 31DQ04	3.3	30 - 40	0.57	3	DO-201AD
31DQ09 - 31DQ10	3.3	90 - 100	0.85	3	DO-201AD
RK46	3.5	60	0.62	3.5	DO-201AD



# Schottky Diodes



Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Package
RK49	3.5	90	0.81	3.5	DO-201AD
SB520S - SB5B0S	5	20 - 100	0.55 - 0.79	5	D2A
SB520 - SB5B0	5	20 - 100	0.55 - 0.79	5	DO-201AD
SB5150 - SB5200	5	150 - 200	0.91 - 0.94	5	DO-201AD
SR802 - SR806	8	20 - 60	0.55 - 0.7	8	DO-201AD
SD930 - SD945	9	30 - 45	0.5	9	DO-201AD
SD1045	10	45	0.55	10	DO-201AD
MBR1045 - MBR10200	10	45 - 200	0.75 - 1.05	10	TO-220AC
MBRF1045 - MBRF10200	10	45 - 200	0.75 - 1.05	10	ITO-220AC
MBR1045CT - MBR10200CT	10	45 - 200	0.75 - 1.05	10	TO-220AB
MBRF1045CT - MBRF10200CT	10	45 - 200	0.75 - 1.05	10	ITO-220AB
SD1245	12	45	0.55	12	DO-201AD
SD1545	15	45	0.54	15	D6
SD1645	16	45	0.55	16	DO-201AD
SD2045	20	45	0.55	20	D6
MBR2045 - MBR20200	20	45 - 200	0.75 - 1.02	10	TO-220AC
MBRF2045 - MBRF20200	20	45 - 200	0.75 - 1.02	10	ITO-220AC
MBR2045CT - MBR20200CT	20	45 - 200	0.75 - 1.02	10	TO-220AB
MBRF2045CT - MBRF20200CT	20	45 - 200	0.75 - 1.02	10	ITO-220AB
SB2520 - SB2540	25	20 - 40	0.39	5	D6
SD3030	30	30	0.39	5	D6
MBR3045 - MBR30200	30	45 - 200	0.7 - 0.95	15	TO-220AC
MBRF3045 - MBRF30200	30	45 - 200	0.7 - 0.95	15	ITO-220AC
MBR3045CT - MBR30200CT	30	45 - 200	0.7 - 0.95	15	TO-220AB
MBRF3045CT - MBRF30200CT	30	45 - 200	0.7 - 0.95	15	ITO-220AB
LL5711 - LL6263	-	60 - 70	0.41	0.001	MiniMELF
SD101AW - SD101CW	0.015	40 - 60	0.9 - 1	0.015	SOD-123
SD103AWS - SD103CWS	0.02	20 - 40	0.37	0.02	SOD-323
BAS81 - BAS83	0.03	40 - 60	0.41	0.001	MiniMELF
LL101A - LL101C	0.03	40 - 60	0.39 - 0.41	0.001	MiniMELF

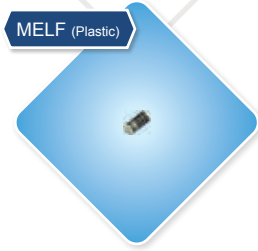
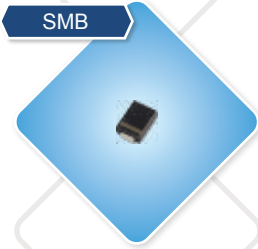
# Schottky Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Package
RB751S-40	0.03	40	0.37	0.001	SOD-523
RB751V-40	0.03	40	0.37	0.001	SOD-323
SD101AWS - SD101CWS	0.03	40 - 60	0.39 - 0.41	0.001	SOD-323
RB706F-40	0.03	45	0.37	0.001	SOT-23
SB706D-40	0.03	45	0.37	0.001	SOT-23
LL5712	0.075	20	0.41	0.001	MiniMELF
LL41	0.1	100	0.45	0.001	MiniMELF
1SS388	0.1	45	0.6	0.05	SOD-523
RB521G-30	0.1	30	0.35	0.01	SOD-523
1SS367	0.1	15	0.5	0.1	SOD-323
RB501V-40	0.1	40	0.55	0.1	SOD-323
1SS294	0.1	45	0.6	0.1	SOT-23
LL46	0.15	100	0.45	0.01	MiniMELF
BAT46W	0.15	100	1.45	0.01	SOD-123
BAS85	0.2	30	0.32	0.001	MiniMELF
BAS86	0.2	50	0.38	0.001	MiniMELF
LL103A - LL103C	0.2	20 - 40	0.37	0.02	MiniMELF
LL42 - LL43	0.2	30	1	0.2	MiniMELF
BAT42WT - BAT43WT	0.2	30	1	0.2	SOD-523
BAT54WT	0.2	30	0.4	0.01	SOD-523
RB520S-30	0.2	30	0.6	0.2	SOD-523
RB521S-30	0.2	30	0.5	0.2	SOD-523
RB521S-40	0.2	40	0.16	0.01	SOD-523
BAT54WS	0.2	30	0.8	0.1	SOD-323
BAT42WS - BAT43WS	0.2	30	1	0.2	SOD-323
BAT42W - BAT43W	0.2	30	1	0.2	SOD-123
BAT54W	0.1	30	0.8	0.1	SOT-323
BAR43 - BAR43S	0.2	30	0.8	0.1	SOT-23
BAS40 - BAS40-06	0.2	40	1	0.04	SOT-23
BAT54 - BAT54S	0.2	30	1	0.1	SOT-23





# Schottky Diodes



Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Package
LL48	0.35	40	0.3	0.001	MiniMELF
SD103AW - SD103CW	0.35	20 - 40	0.37	0.02	SOD-123
BAT400D	0.5	40	0.3	0.01	SOT-23
MBR0520W	0.5	20	0.375	0.1	SOD-123FL
MBR0530W	0.5	30	0.375	0.5	SOD-123FL
MBR0540W	0.5	40	0.51	0.5	SOD-123FL
BAT750	0.75	40	0.49	0.75	SOT-23
SFPB-52	1	20	0.47	1	SMA
SFPB-54	1	40	0.55	1	SMA
SKN7 - SKN9	1	20 - 40	0.45 - 0.6	1	SMA
SK12 - SK1B	1	20 - 100	0.5 - 0.79	1	SMA
MBRA120ET3G	1	20	0.53	1	SMA-L
MBRA140T3G	1	40	0.55	1	SMA-L
MBRA190	1	90	0.79	1	SMA-L
SMA5817 - SMA5819	1	20 - 40	0.45 - 0.6	1	SMA-L
SS12 - SS110	1	20 - 100	0.55 - 0.8	1	SMA-L
10BQ015	1	15	0.34	1	SMB
10BQ040	1	40	0.53	1	SMB
10BQ060	1	60	0.6	1	SMB
10BQ100	1	100	0.78	1	SMB
MBRS120T3	1	20	0.6	1	SMB
MBRS130LT3	1	30	0.395	1	SMB
MBRS140	1	40	0.6	1	SMB
MBRS1100	1	100	0.75	1	SMB
LL5817 - LL5819	1	20 - 40	0.45 - 0.6	1	MELF (Plastic)
1N5817W - 1N5819W	1	20 - 40	0.45 - 0.6	1	SOD-123FL
D1FS4	1.1	40	0.55	1	SMA
D1FS6	1.1	60	0.58	1.1	SMA
10MQ040N	1.5	40	0.54	1	SMA
10MQ060N	1.5	60	0.63	1	SMA

# Schottky Diodes

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Package
10MQ100N	1.5	100	0.78	1	SMA
BYS10-25 - BY10-45	1.5	25 - 45	0.5	1	SMA
SKO2 - SKOB	1.5	20 - 100	0.5 - 0.79	1.5	SMA
MBRA210L	2	10	0.35	2	SMA
SK22S - SK2BS	2	20 - 100	0.5 - 0.79	2	SMA
MBRS240LT3G	2	40	0.43	2	SMB
SK22 - SK2B	2	20 - 100	0.5 - 0.79	2	SMB
SKT2 - SKTB	2.5	20 - 100	0.5 - 0.79	2.5	SMB
15MQ040N	3	40	0.42	1	SMA
MBRA340	3	40	0.45	3	SMA
RB055L-40	3	40	0.65	3	SMA
SK32A - SK310A	3	20 - 100	0.5 - 0.85	3	SMA
SK32S - SK3BS	3	20 - 100	0.5 - 0.79	3	SMB
MBRS3200	3	200	0.84	3	SMB
30BQ040	3	40	0.53	3	SMC
MBRS330T3 - MBRS340T3	3	30 - 40	0.5 - 0.525	3	SMC
MBRS360T3	3	60	0.74	3	SMC
MBRS3100	3	100	0.79	3	SMC
MBRS3201	3	200	0.84	3	SMC
SK31SVF - SK34SVF	3	15 - 40	0.38 - 0.40	3	SMC
SK32 - SK3B	3	20 - 100	0.5 - 0.79	3	SMC
MBRS4201	4	200	0.86	4	SMC
SK52S - SK5BS	5	20 - 100	0.55 - 0.79	5	SMB
SK51SVF - SK53SVF	5	15 - 30	0.36	5	SMC
SK52 - SK5B	5	20 - 100	0.55 - 0.79	5	SMC
SK1045	10	45	0.55	10	SMC
SK1545	15	45	0.54	15	SMC
SB1645 - SB16100	16	45 - 100	0.55 - 0.84	16	MR
SB2045 - SB20100	20	45 - 100	0.55 - 0.82	20	MR
SD3030MR	30	30	0.39	5	MR



# High Speed Switching Diodes



Series No.	$I_O$ (mA)	$V_{RM}$ (V)	$V_F$ (V)	$I_F$ (mA)	Trr	Package
1SS120	60	60	1.2	10	3.5 ns	DO-34G
1N914 - 1N914B	75	75	1	10	4 ns	DO-35G
1SS176	100	30	1.2	100	4 ns	DO-34G
1SS177	100	50	1.2	100	4 ns	DO-34G
1SS178	100	80	1.2	100	4 ns	DO-34G
1SS270A	100	60	0.8	10	3.5 ns	DO-34G
BAS15	100	50	1.1	100	4 ns	DO-34G
1S1588	120	30	1.3	100	4 ns	DO-35G
1SS132	120	50	1.2	100	4 ns	DO-34G
1SS133	130	35	1.2	100	4 ns	DO-34G
1SS130	130	75	1	10	4 ns	DO-34G
1SS131	130	80	1.2	100	4 ns	DO-34G
1S1587	130	50	1.2	100	2 ns	DO-35G
1SS119	150	35	0.8	10	3.5 ns	DO-34G
1N4148S	150	100	1	10	4 ns	DO-34G
1N4148	150	75	1	10	4 ns	DO-35G
1N4149	150	100	1	10	4 ns	DO-35G
1N4152	150	30	0.88	20	2 ns	DO-35G
1N4153	150	50	0.88	20	2 ns	DO-35G
1N4154	150	25	1	30	4 ns	DO-35G
1N4447	150	75	1	20	4 ns	DO-35G
1N4448	150	75	1	10	4 ns	DO-35G
1N4449	150	75	1	30	4 ns	DO-35G
1N4454	150	75	1	10	4 ns	DO-35G
1S1585	150	80	1	100	2 ns	DO-35G
1S1586	150	50	1	100	2 ns	DO-35G
1S2076A	150	70	0.8	10	4 ns	DO-35G
BAW75 - BAW76	150	25 - 50	1	30, 100	4 ns	DO-35G
1N4531 - 1N4532	200	75	1	10	2 - 4 ns	DO-34G
1N4150	200	50	1	200	4 ns	DO-35G

# High Speed Switching Diodes

Series No.	$I_O$ (mA)	$V_{RM}$ (V)	$V_F$ (V)	$I_F$ (mA)	Trr	Package
1N4151	200	75	1	50	4 ns	DO-35G
1N4450	200	30	1	200	4 ns	DO-35G
BAV19 - BAV21	200	100 - 200	1	100	50 ns	DO-35G
BAV10	300	60	1	200	6 ns	DO-35G
BAX14	400	40	1	300	50 ns	DO-34G
BAX18	400	75	1.1	300	50 ns	DO-35G
BAX12 - BAX12A	400	90	1.25	400	50 ns	DO-35G
BAS70WS	70	70	0.41	1	-	SOD-323
LL914 - LL914B	75	75	0.72 - 1	5 - 100	4 ns	MiniMELF
1SS390	100	35	1	10	4 ns	SOD-523
1SS400	100	90	1.2	100	4 ns	SOD-523
1SS352	100	85	0.75	10	4 ns	SOD-323
1SS355	100	90	1.2	100	4 ns	SOD-323
1SS181	100	85	1.2	100	4 ns	SOT-23
1SS184	100	85	1.2	100	4 ns	SOT-23
1SS187	100	85	1.2	100	4 ns	SOT-23
1SS226	100	85	1.2	100	4 ns	SOT-23
MMBD202CC	100	80	1.2	100	4 ns	SOT-23
1N4148WT	125	100	0.715	1	4 ns	SOD-523
BAV74	125	60	0.715	1	4 ns	SOT-23
BAV99	125	85	0.715	1	4 ns	SOT-23
BAW56	125	85	0.715	1	4 ns	SOT-23
RLS-73	130	90	1.2	100	4 ns	MiniMELF
LL4148	150	100	1	10	4 ns	MiniMELF
1N4148WS	150	100	1	10	4 ns	SOD-323
1N4148W	150	100	1	10	4 ns	SOD-123
1N4448W	150	100	1.25	150	4 ns	SOD-123
BAV99W	150	85	1.25	150	4 ns	SOT-323
BAS16W	155	85	1.25	150	4 ns	SOT-323
LL4150	200	50	1	200	4 ns	MiniMELF



# High Speed Switching Diodes



Series No.	$I_O$ (mA)	$V_{RM}$ (V)	$V_F$ (V)	$I_F$ (mA)	Trr	Package
LL4151	200	50	1	50	4 ns	MiniMELF
LL4153	200	50	0.88	50	4 ns	MiniMELF
LL4448	200	75	1	100	4 ns	MiniMELF
BAV100 - BAV103	200	50 - 200	1	100	50 ns	MiniMELF
RLS245	200	250	1.5	200	75 ns	MiniMELF
BAV19WS - BAV21WS	200	100 - 200	1	100	50 ns	SOD-323
BAV19W - BAV21W	200	120 - 250	1	100	50 ns	SOD-123
1N914W	200	100	1	100	50 ns	SOD-123
BAV70W	200	70	0.715	1	4 ns	SOT-323
MMBD4148W - MMBD4148CAW	200	100	1	10	4 ns	SOT-323
BAS70-00 - BAS70-06	200	70	1	15	5 ns	SOT-23
BAV70	200	70	0.715	1	6 ns	SOT-23
MMBD7000	200	100	0.7	1	4 ns	SOT-23
MMBD914	200	100	1	10	4 ns	SOT-23
BAS19 - BAS21	200	120 - 250	1	100	4 ns	SOT-23
BAS116	215	85	0.9	1	0.8 $\mu$ s	SOT-23
BAS16	215	85	0.715	1	4 ns	SOT-23
BAS216WT	250	85	0.715	1	4 ns	SOD-523
BAS216WS	250	85	0.715	1	4 ns	SOD-323
BAS16WS	250	100	1	50	6 ns	SOD-323
BAS316WS	250	100	0.715	1	4 ns	SOD-323
BAV105	300	60	0.75	100	6 ns	MiniMELF
BAV23 - BAV23CA	400	250	1	100	50 ns	SOT-23
MMBD4148 - MMBD4148CA	600	100	1	10	4 ns	SOT-23

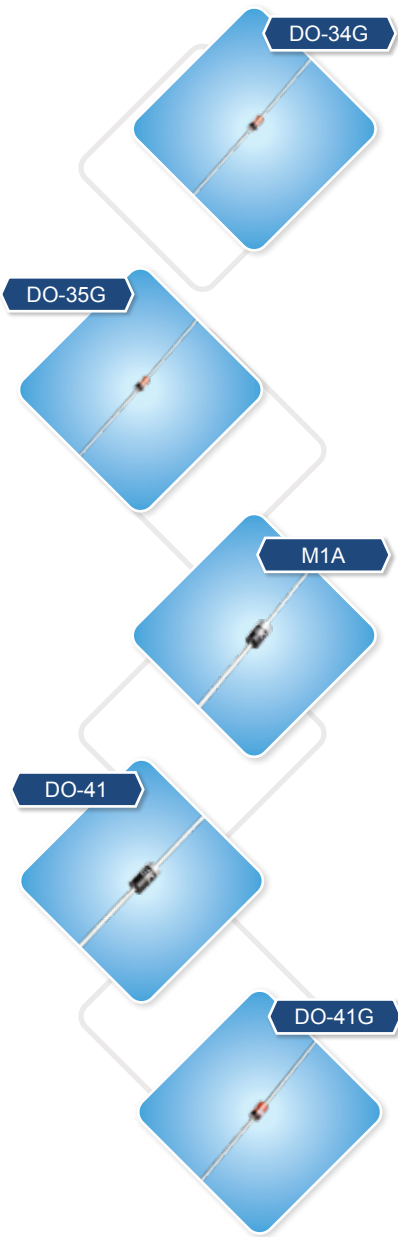
## Diacs

Series No.	$I_{BR}$ (A)	$V_{BR(MIN)}$	$V_{BR(MAX)}$	Package
DB3 - DB4	200	28 - 36	35 - 45	DO-35G
LLDB3 - LLDB4	200	28 - 36	35 - 45	MiniMELF



# Zener Diodes

Series No.	P <sub>D</sub> (W)	V <sub>Z</sub> (V)	V <sub>Z</sub> (Tolerance)	Package
HZS4A1 - HZS36-3	0.4	4 - 36	2%	DO-34G
HZS6A1L - HZS36-3L	0.4	6 - 36	2%	DO-34G
RD2.0ESAB - RD39ESAB4	0.4	2 - 37.5	5%, 2%	DO-34G
RD4.7JSAB - RD39JSAB3	0.4	4.7 - 39	5%, 2%	DO-34G
HZ6A1L - HZ36-3L	0.4	6 - 36	2%	DO-35G
MZ55C3V0 - MZ55C200 (B)	0.5	3 - 200	5%, 2%	M1A
Z043 - Z0200 (A, B)	0.5	43 - 200	10%, 5%, 2%	DO-41
MTZJ2.0A - MTZJ39D	0.5	2 - 39	5%, 2%	DO-34G
1N4678 - 1N4717	0.5	1.8 - 43	5%	DO-35G
1N5221B - 1N5267B (C)	0.5	2.4 - 75	5%, 2%	DO-35G
1N5985A - 1N6017A (B)	0.5	2.4 - 200	10%, 5%	DO-35G
1N746A - 1N759A	0.5	3.3 - 12	5%	DO-35G
1N957B - 1N982B (C)	0.5	6.8 - 75	5%, 2%	DO-35G
BZX55C2V0 - BZX55C75 (B)	0.5	2 - 75	5%, 2%	DO-35G
BZX79C2V4 - BZX79C75 (B)	0.5	2.4 - 75	5%, 2%	DO-35G
HZ4A1 - HZ36-3	0.5	4 - 36	5%, 2%	DO-35G
RD2.0EB - RD39EB4	0.5	2 - 39	5%, 2%	DO-35G
ZPD2.7 - ZPD75	0.5	2.7 - 75	5%	DO-35G
1ZD6.8 - 1ZD390S	1	6.8 - 390	10%, 5%, 2%	M1A
MZ4728 - MZ4764 (A, C)	1	3.3 - 200	10%, 5%, 2%	M1A
Z1150AM - Z1180AM	1	150 - 180	5%	M1A
1N4728 - Z1200 (A, C)	1	3.3 - 200	10%, 5%, 2%	DO-41
Z1220 - Z1380 (A, C)	1	220 - 380	10%, 5%, 2%	DO-41
1Z6.2 - 1Z390	1	6.2 - 390	10%, 5%	DO-41
PRD6.8FB - PRD82FB	1	6.8 - 82	5%	DO-41
Z1T-100A - Z1T-330A (B)	1	100 - 330	10%, 5%	DO-41
Z1UL-200A - Z1UL-350A (B)	1	200 - 350	10%, 5%	DO-41
1N4728AG - 1N4764AG (C)	1	3.3 - 100	5%, 2%	DO-41G
RD6.8FB - RD82FB	1	6.8 - 82	5%, 2%	DO-41G
MZ85C3V0 - MZ85C200 (B)	1.3	3 - 200	5%, 2%	M1A



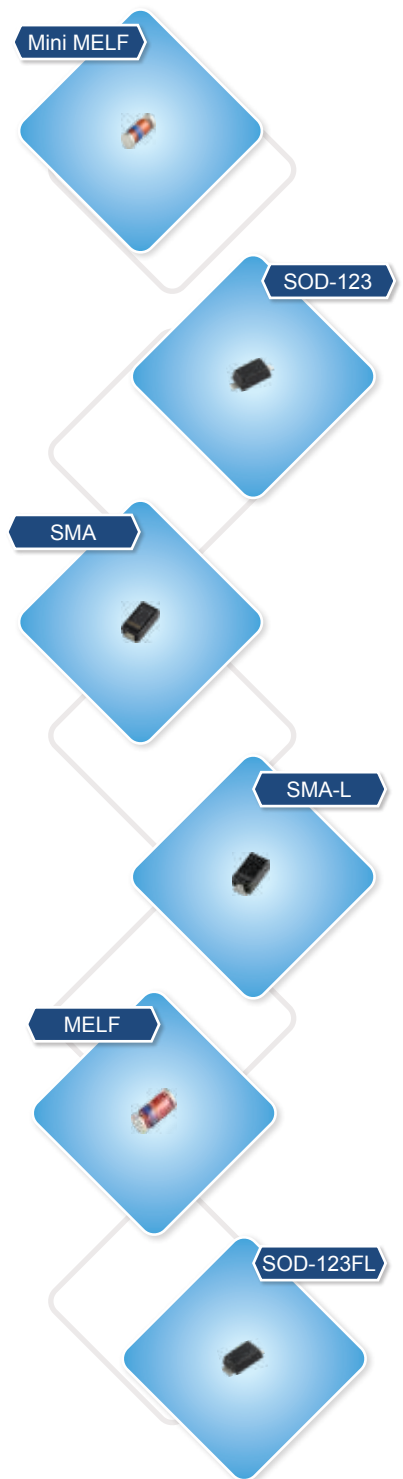
# Zener Diodes



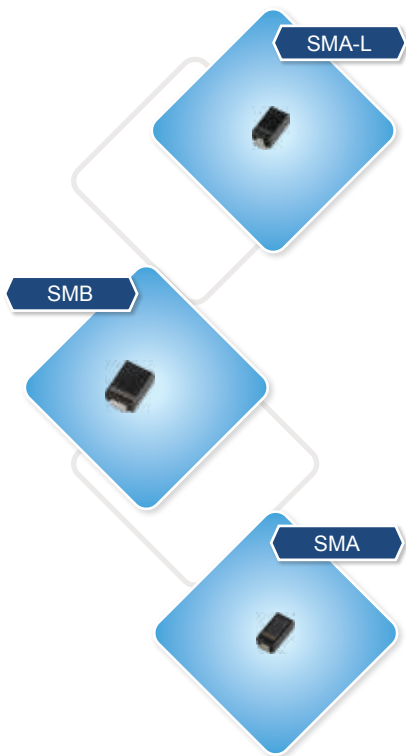
Series No.	$P_D$ (W)	$V_Z$ (V)	$V_Z$ (Tolerance)	Package
BZX85C2V4 - BZX85C220 (B)	1.3	2.4 - 220	5%, 2%	DO-41
ZPU100 - ZPU180	1.3	100 - 180	10%	DO-41
BZX85C3V6G - BZX85C47G (B)	1.3	3.6 - 47	5%	DO-41G
ZPY3.9 - ZPY75	1.3	3.9 - 100	5%	DO-41G
1N6485 - 1N4496	1.5	3.3 - 200	5%	M1A
MZ5913A - MZ5956A (B)	1.5	3.3 - 200	10%, 5%	M1A
1N5913A - 1N5956A (B)	1.5	3.3 - 200	10%, 5%	DO-41
BZT03-C7V5 - BZT03-C510	1.5	7.5 - 510	5%	DO-41
2Z12 - 2Z51	1.5	12 - 51	10%	DO-15
2EZ2.7D10 - 2EZ200D10 (5)	2	2.7 - 200	10%, 5%	DO-41
2EZ220D10 - 2EZ380D10 (5)	2	220 - 380	10%, 5%	DO-41
AU01-08	2.5	8.2	10%	D2A
3EZ3.9D10 - 3EZ200D10 (5)	3	3.9 - 200	10%, 5%	DO-41
3EZ220D10 - 3EZ400D10 (5)	3	220 - 400	10%, 5%	DO-41
ZY3.6 - ZY200	3	3.6 - 200	5%	DO-41
1N4954 - 1N4989	5	6.8 - 200	5%	DO-15
1N5338A - 1N5388A (B)	5	5.1 - 200	10%, 5%	DO-15
1N5338AL - 1N5388AL (B)	5	5.1 - 200	10%, 5%	D2A
MM5Z3B0 - MM5ZB75	0.2	3.0 - 75	2%	SOD-523
MM5Z2V4 - MM5Z75V	0.2	2.4 - 75	5%	SOD-523
BZX84C2V4CAW - BZX84C75CAW	0.2	2.4 - 75	5%	SOT-23
MM3Z2B4 - MM3ZB75	0.3	2.4 - 75	2%	SOD-323
MM3Z2V0 - MM3Z75	0.3	2 - 75	5%	SOD-323
MM3Z2V2B - MM3Z39B	0.3	2.2 - 39	2%	SOD-323
BZX84C2V4 - BZX84C47	0.3	2.4 - 47	5%	SOT-23
BZX84B2V4 - BZX84B47	0.35	2.4 - 47	2%	SOT-23
BZX84C2V4CC - BZX84C75CC	0.35	2.4 - 75	5%	SOT-23
BZX84C3V0CA - BZX84C47CA	0.35	3 - 47	5%	SOT-23
MMBZ5226B - MMBZ5261B	0.35	3.3 - 47	5%	SOT-23
HZK6A1L - HZK36-3L	0.4	5.2 - 38	2%	MiniMELF

# Zener Diodes

Series No.	P <sub>D</sub> (W)	V <sub>Z</sub> (V)	V <sub>Z</sub> (Tolerance)	Package
BZV55C2V4 - BZV55C75 (B)	0.5	2.4 - 75	5%, 2%	MiniMELF
GLZ3.3A - GLZ39D	0.5	3.3 - 39	2%	MiniMELF
HZK2A1 - HZK36-3	0.5	1.6 - 38	2%	MiniMELF
LL5225C - LL5267C	0.5	2.4 - 75	2%	MiniMELF
MMZJ2.0A - MMZJ39D	0.5	2 - 39	5%, 2%	MiniMELF
RLZ2.4B - RLZ39B	0.5	2.4 - 39	2%	MiniMELF
TZMC2V4 - TZMC75 (B)	0.5	2.4 - 75	5%, 2%	MiniMELF
TZS4678 - TZS4717	0.5	1.8 - 43	5%	MiniMELF
ZMM2.4 - ZMM75 (B)	0.5	2.4 - 75	5%, 2%	MiniMELF
ZMM5221B - ZMM5267B (C)	0.5	2.4 - 75	5%, 2%	MiniMELF
BZT52C2V4W - BZT52C39W	0.5	2.4 - 39	5%	SOD-123
MM1Z2V4 - MM1Z75	0.5	2.2 - 75	5%	SOD-123
MM1Z2V7B - MM1Z39B	0.5	2.7 - 39	2%	SOD-123
MMSZ4678	0.5	1.8	5%	SOD-123
MMSZ4686	0.5	3.9	5%	SOD-123
MM1Z4689 - MM1Z4717	0.5	5.1 - 43	5%	SOD-123
MM1Z5221B - MM1Z5267B	0.5	2.4 - 75	5%	SOD-123
RD2.0FM - RD120FM	1	2 - 120	5%	SMA
SZ103D - SZ10D0 (5)	1	3.3 - 200	10%, 5%	SMA
SZ10D2 - SZ10E8 (5)	1	220 - 380	10%, 5%	SMA-L
Z1SMA6V8 - Z1SMA120	1	6.8 - 120	5%	SMA
1SMA4728 - 1SMA4764 (A)	1	3.3 - 100	10%, 5%	SMA-L
PTZ3.6B - PTZ36B	1	3.6 - 36	5%	SMA-L
SMAZ5V1 - SMAZ39	1	5.1 - 39	5%	SMA-L
SML4728 - SML4764 (A)	1	3.3 - 100	10%, 5%	SMA-L
ZM4728A - ZM4761A (C)	1	3.3 - 100	5%, 2%	MELF
ZMY3.9 - ZMY75 (C)	1	3.9 - 75	5%, 2%	MELF
MM1W3V6B - MM1W36B	1	3.6 - 36	5%	SOD-123FL
SZ202H - SZ20D0 (5)	1.3	2.7 - 200	10%, 5%	SMA
SZ303D - SZ30D0 (5)	1.5	3.3 - 200	10%, 5%	SMA



# Zener Diodes



Series No.	$P_D$ (W)	$V_Z$ (V)	$V_Z$ (Tolerance)	Package
1SMA5913A - 1SMA5956A (B)	1.5	3.3 - 200	10%, 5%	SMA-L
1SMB5913A - 1SMB5956A (B)	1.5	3.3 - 200	10%, 5%	SMB
SZ4Q3D - SZ4QD0 (5)	2	3.3 - 200	10%, 5%	SMA
SZ4QD2 - SZ4QE8 (5)	2	220 - 280	10%, 5%	SMA-L
BZD27-C3V6A - BZD27-C510A	3	3.6 - 510	0.05	SMA
SMAJ5913A - SMAJ5956A (B)	3	3.3 - 200	10%, 5%	SMA
SZ5Q3J - SZ5QD0 (5)	3	3.9 - 200	10%, 5%	SMA
SZ5QD2 - SZ5QF0 (5)	3	220 - 400	10%, 5%	SMA-L
BZG03-C10 - BZG03-C200	3	10 - 200	0.05	SMA-L
BZG03-C220 - BZG03-C270	3	220 - 270	0.05	SMA-L
BZG04-8V2 - BZG04-220	3	8.2 - 220	0.05	SMA-L
BZG05C3V3 - BZG05C91	3	3.3 - 91	0.05	SMA-L
SMBJ5913A - SMBJ5956A (B)	3	3.3 - 200	10%, 5%	SMB
SMBJ5338A - SMBJ5388A (B)	5	5.1 - 200	10%, 5%	SMB
SZ6Q5B - SZ6QD0 (5)	5	5.1 - 200	10%, 5%	SMB

# Transient Voltage Suppressor Diodes

Series No.	P <sub>PK</sub> (W)	Directional	V <sub>BR</sub> (V)	V <sub>BR</sub> Tolerance	Package
BZW04P5V8 - BZW04P376 (-)	400	Unipolar	6.8 - 440	10%, 5%	DO-41
BZW04P5V8B - BZW04P376B (-)	400	Bipolar	6.8 - 440	10%, 5%	DO-41
P4KE6.8 - P4KE550 (A)	400	Unipolar	6.8 - 550	10%, 5%	DO-41
P4KE6.8C - P4KE550C (A)	400	Bipolar	6.8 - 550	10%, 5%	DO-41
SA5.0 - SA170 (A)	500	Unipolar	5 - 170	10%, 5%	DO-41
SA5.0C - SA170C (A)	500	Bipolar	5 - 170	10%, 5%	DO-41
1N6461 - 1N6468	500	Unipolar	5.6 - 54	-	DO-15
1N6103A - 1N6137A	500	Bipolar	7.13 - 190	-	DO-15
BZW06P5V8 - BZW06P376 (-)	600	Unipolar	6.8 - 440	10%, 5%	DO-15
BZW06P5V8B - BZW06P376B (-)	600	Bipolar	6.8 - 440	10%, 5%	DO-15
P6KE6.8 - P6KE600 (A)	600	Unipolar	6.8 - 600	10%, 5%	DO-15
P6KE6.8C - P6KE600C (A)	600	Bipolar	6.8 - 600	10%, 5%	DO-15
EPS5 - EPS48	1,000	Bipolar	5 - 48	-	M1A
1.5KE6.8 - 1.5KE440 (A)	1,500	Unipolar	6.8 - 440	10%, 5%	DO-201
1.5KE480 - 1.5KE600 (A)	1,500	Unipolar	480 - 600	10%, 5%	DO-201
1.5KE6.8C - 1.5KE440C (A)	1,500	Bipolar	6.8 - 440	10%, 5%	DO-201
1.5KE480C - 1.5KE600C (A)	1,500	Bipolar	480 - 600	10%, 5%	DO-201
1N5610 - 1N5613	1,500	Unipolar	33 - 191	-	DO-201
1N6469 - 1N6476	1,500	Unipolar	5.6 - 54	-	DO-201
1N6138A - 1N6173A	1,500	Bipolar	5.2 - 152	-	DO-201
1N5908	1,500	Unipolar	5	-	DO-201
3KE13 - 3KE440 (A)	3,000	Unipolar	13 - 440	10%, 5%	DO-201
3KE13C - 3KE440C (A)	3,000	Bipolar	13 - 440	10%, 5%	DO-201
5KP5.0 - 5KP180 (A)	5,000	Unipolar	5 - 180	10%, 5%	D6
5KP220 - 5KP400 (A)	5,000	Unipolar	220 - 400	10%, 5%	D6
5KP5.0C - 5KP180C (A)	5,000	Bipolar	5 - 180	10%, 5%	D6
5KP220C - 5KP400C (A)	5,000	Bipolar	220 - 400	10%, 5%	D6
5KP30CAS - 5KP58CAS	5,000	Bipolar	30 - 58	5%	DO-201
BZW50-10 - BZW50-180	5,000	Unipolar	10 - 180	10%	D6
BZW50-10B - BZW50-180B	5,000	Bipolar	10 - 180	10%	D6



# Transient Voltage Suppressor Diodes



Series No.	$P_{PK}$ (W)	Directional	$V_{BR}$ (V)	$V_{BR}$ Tolerance	Package
R5KP5.0 - R5KP180 (A)	5,000	Unipolar	5 - 180	10%, 5%	5R
R5KP5.0C - R5KP180C (A)	5,000	Bipolar	5 - 180	10%, 5%	5R
10KP11 - 10KP180 (A)	10,000	Unipolar	11 - 180	10%, 5%	D6
15KP12 - 15KP400 (A)	15,000	Unipolar	12 - 400	10%, 5%	D6
15KP12C - 15KP400C (A)	15,000	Bipolar	12 - 400	10%, 5%	D6
R15KP17 - R15KP240 (A)	15,000	Unipolar	17 - 240	10%, 5%	5R
R15KP17C - R15KP240C (A)	15,000	Bipolar	17 - 240	10%, 5%	5R
20KP20 - 20KP300 (A)	20,000	Unipolar	20 - 300	10%, 5%	D6
20KP20C - 20KP300C (A)	20,000	Bipolar	20 - 300	10%, 5%	D6
30KP26 - 30KP400 (A)	30,000	Unipolar	26 - 400	10%, 5%	D6
30KP26C - 30KP400C (A)	30,000	Bipolar	26 - 400	10%, 5%	D6
50KP36 - 50KP400 (A)	50,000	Unipolar	36 - 400	10%, 5%	D6
50KP36C - 50KP400C (A)	50,000	Bipolar	36 - 400	10%, 5%	D6
RT100KP40A - RT100KP400A	100,000	Unipolar	40 - 400	5%	D6
RT100KP40CA - RT100KP400CA	100,000	Bipolar	40 - 400	5%	D6
TGL34-33AW	150	Unipolar	33	5%	SOD-123FL
SMAJ5.0 - SMAJ188 (A)	400	Unipolar	5 - 188	10%, 5%	SMA
SMAJ180 - SMAJ440 (A)	400	Unipolar	180 - 440	10%, 5%	SMA-L
SMAJ5.0C - SMAJ188C (A)	400	Bipolar	5 - 188	10%, 5%	SMA
SMAJ180C - SMAJ440C (A)	400	Bipolar	180 - 440	10%, 5%	SMA-L
P4SMA6.8 - P4SMA440 (A)	400	Unipolar	6.8 - 440	10%, 5%	SMA
P4SMA6.8C - P4SMA440C (A)	400	Bipolar	6.8 - 440	10%, 5%	SMA
STUBQ6I - STUBQ6G (5)	400	Unipolar	6.8 - 440	10%, 5%	SMA
STBBQ6I - STBBQ6G (5)	400	Bipolar	6.8 - 440	10%, 5%	SMA
STUPQ6I - STUPQ6H (5)	400	Unipolar	6.8 - 550	10%, 5%	SMA
STBPQ6I - STBPQ6H (5)	400	Bipolar	6.8 - 550	10%, 5%	SMA
1SMA5.0A - 1SMA78A	400	Unipolar	5 - 78	5%	SMA
TPSMA6.8 - TPSMA43 (A)	400	Unipolar	6.8 - 43	10%, 5%	SMA
STUSQ6H - STUSQ5D0 (5)	500	Unipolar	6.8 - 200	10%, 5%	SMA
STBSQ6H - STBSQ5D0 (5)	500	Bipolar	6.8 - 200	10%, 5%	SMA



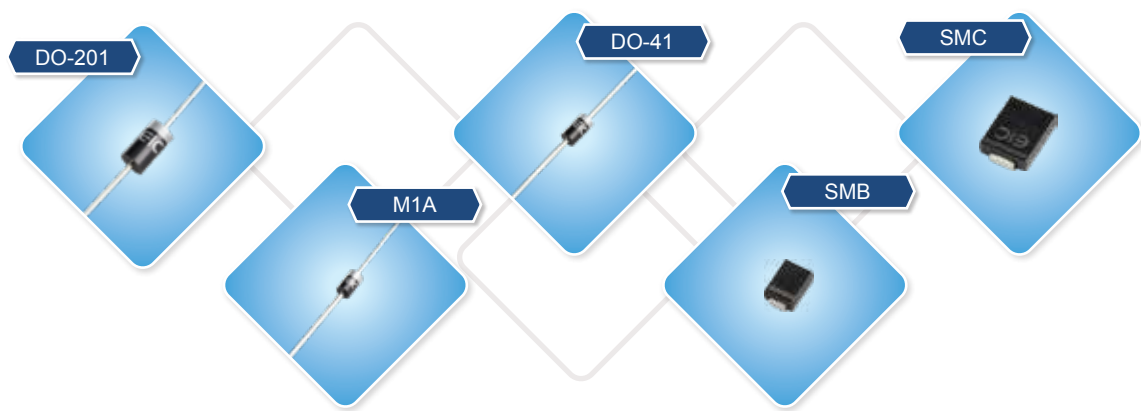
# Transient Voltage Suppressor Diodes

Series No.	P <sub>PK</sub> (W)	Directional	V <sub>BR</sub> (V)	V <sub>BR</sub> Tolerance	Package
SMBJ5.0 - SMBJ440 (A)	600	Unipolar	5 - 440	10%, 5%	SMB
SMBJ5.0C - SMBJ440C (A)	600	Bipolar	5 - 440	10%, 5%	SMB
P6SMB6.8 - P6SMB440 (A)	600	Unipolar	6.8 - 440	10%, 5%	SMB
P6SMB6.8C - P6SMB440C (A)	600	Bipolar	6.8 - 440	10%, 5%	SMB
STU606I - STU60G4 (5)	600	Unipolar	6.8 - 440	10%, 5%	SMB
STB606I - STB60G4 (5)	600	Bipolar	6.8 - 440	10%, 5%	SMB
1.5SMC6.8 - 1.5SMC540 (A)	1,500	Unipolar	6.8 - 540	10%, 5%	SMC
1.5SMC6.8C - 1.5SMC220C (A)	1,500	Bipolar	6.8 - 220	10%, 5%	SMC
SMCJ5.0 - SMCJ188 (A)	1,500	Unipolar	5 - 188	10%, 5%	SMC
SMCJ200 - SMCJ440 (A)	1,500	Unipolar	200 - 440	10%, 5%	SMC
SMCJ5.0C - SMCJ188C (A)	1,500	Bipolar	5 - 188	10%, 5%	SMC
SMCJ200C - SMCJ440C (A)	1,500	Bipolar	200 - 440	10%, 5%	SMC
STUK06I - STUK0G4 (5)	1,500	Unipolar	6.8 - 440	10%, 5%	SMC
STBK06I - STBK0G4 (5)	1,500	Bipolar	6.8 - 440	10%, 5%	SMC
TPSMC6.8 - TPSMC43 (A)	1,500	Unipolar	6.8 - 43	10%, 5%	SMC
3.0SMCJ5.0 - 3.0SMCJ220A	3,000	Unipolar	5 - 220	10%, 5%	SMC
3.0SMCJ5.0C - 3.0SMCJ220CA	3,000	Bipolar	5 - 220	10%, 5%	SMC
SMLJ5.0 - SMLJ170 (A)	3,000	Unipolar	5 - 170	10%, 5%	SMC
SMLJ5.0C - SMLJ170C (A)	3,000	Bipolar	5 - 170	10%, 5%	SMC
5.0SMDJ12 - 5.0SMDJ170 (A)	5,000	Unipolar	12 - 170	10%, 5%	SMC
5.0SMDJ12C - 5.0SMDJ170C (A)	5,000	Bipolar	12 - 170	10%, 5%	SMC



# Low Capacitance Transient Voltage Suppressor Diodes

Series No.	$P_{PK}$ (W)	Directional	$V_{BR}$ (V)	$V_{BR}$ Tolerance	Capacitance (pF)	Package
SAC5.0 - SAC50	500	Unipolar	5 - 50	-	50	DO-41
ULCEEPS5 - ULCEEPS48	1,000	Unipolar	5 - 48	-	10	M1A
LCE6.5 - LCE90 (A)	1,500	Unipolar	6.5 - 90	10%, 5%	100	DO-201
ULCE6.5 - ULCE90 (A)	1,500	Unipolar	6.5 - 90	10%, 5%	35	DO-201
SMBJ-LC5.0 - SMBJ-LC188 (A)	600	Unipolar	5 - 188	10%, 5%	80	SMB
SMCJLCE6.5 - SMCJLCE170 (A)	1,500	Unipolar	6.5 - 170	10%, 5%	90 - 100	SMC
SMLJ-LC5.0 - SMLJ-LC170 (A)	3,000	Unipolar	5 - 170	10%, 5%	90 - 100	SMC



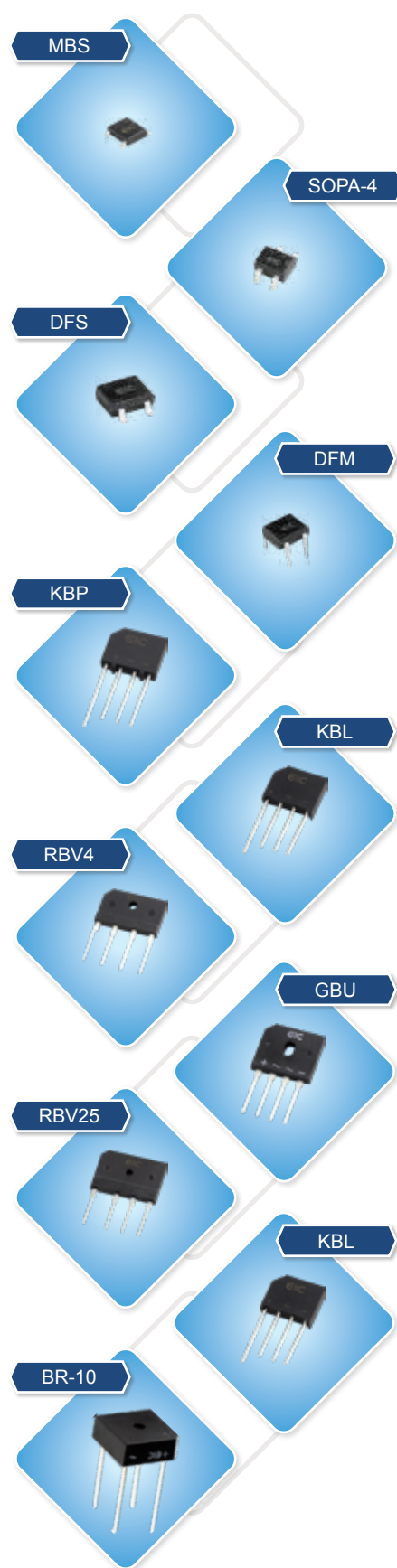
# Automotive Transient Voltage Suppressor Diodes



Series No.	$I_O$ (A)	$V_{BR}$ (V)	$V_F$ (V)	$I_F$ (A)	Package
MR2535L	6	24	1.1	100	D6
MR2540L	6	24	1.1	100	D6
MR2535AL	6	24	1.1	100	MR-L
MR2540AL	6	24	1.1	100	MR-L
MR3230L	32	38	1.1	100	D6
MR2535	6	24	1.1	100	MR
MR2540	6	24	1.1	100	MR
MR3230	32	38	1.1	100	MR

# Bridge Rectifiers

Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Package
MB1S - MB10S	0.5	100 - 1,000	0.95	0.4	MBS
S1ZB20 - S1ZB80	0.8	200 - 800	1.05	0.4	MBS
D1UBA80	1	800	0.95	0.4	SOPA-4
DF005S - DF10S	1	50 - 1,000	1.1	1	DFS
DB101 - DB107	1	50 - 1,000	1.1	1	DFM
DF005M - DF10M	1	50 - 1,000	1.1	1	DFM
DF15005S - DF1510S	1.5	50 - 1,000	1.1	1.5	DFS
DF15005M - DF1510M	1.5	50 - 1,000	1.1	1.5	DFM
2KBP005 - 2KBP10	2	50 - 1,000	1	1	KBP
KBL400 - KBL410	4	50 - 1,000	1.1	4	KBL
KBU4A - KBU4M	4	50 - 1,000	1	4	KBU
D3SB10 - D3SB80	4	100 - 800	1.05	2	RBV4
D3SBA10 - D3SBA100	4	100 - 1,000	1.05	2	RBV4
D4SB80	4	800	0.95	2	RBV4
RBV401 - RBV406	4	100 - 600	1.05 - 1.1	2	RBV4
GBU4A - GBU4M	4	50 - 1,000	1	4	GBU
KBU6A - KBU6M	6	50 - 1,000	1	6	KBU
GBU6A - GBU6M	6	50 - 1,000	1	6	GBU
D5SBA10 - D5SBA60	6	100 - 600	1.05	3	RBV25
RBV600 - RBV610	6	50 - 1,000	1	3	RBV25
BR600 - BR610	6	50 - 1,000	1	3	BR6
GBPC6005 - GBPC610	6	50 - 1,000	1	3	BR6
KBU8A - KBU8M	8	50 - 1,000	1	8	KBU
GBU8A - GBU8M	8	50 - 1,000	1.1	8	GBU
RBV800 - RBV810	8	50 - 1,000	1	4	RBV25
D10XB60	10	600	1.1	5	RBV4
RBV1000 - RBV1010	10	50 - 1,000	1	5	RBV25
BR1000 - BR1010	10	50 - 1,000	1.1	5	BR10
D15XB60	15	600	1.1	7.5	RBV25
RBV1500 - RBV1510	15	50 - 1,000	1.1	7.5	RBV25



# Bridge Rectifiers



Series No.	$I_O$ (A)	$V_{RRM}$ (V)	$V_F$ (V)	$I_F$ (A)	Package
BR1500 - BR1510	15	50 - 1,000	1.1	7.5	BR50
GBPC15005 - GBPC1510	15	50 - 1,000	1.1	7.5	BR50
S15VB20 - S15VB60	15	200 - 600	1.05	7.5	BR50
KBPC15005 - KBPC1510	15	50 - 1,000	1.2	7.5	BR50M
BR1500W - BR1510W	15	50 - 1,000	1.1	7.5	BR50W
D20XB20 - D20XB60	20	200 - 600	1.1	10	RBV25
D25XB20 - D25XB60	25	200 - 600	1.05	12.5	RBV25
RBV2500 - RBV2510	25	50 - 1,000	1.1	12.5	RBV25
BR2500 - BR2510	25	50 - 1,000	1.1	12.5	BR50
GBPC25005 - GBPC2510	25	50 - 1,000	1.1	12.5	BR50
S25VB20 - S25VB60	25	200 - 600	1.05	12.5	BR50
KBPC2500 - KBPC2510	25	50 - 1,000	1.1	12.5	BR50M
BR2500W - BR2510W	25	50 - 1,000	1.1	12.5	BR50W
KBPC2500W - KBPC2510W	25	50 - 1,000	1.1	12.5	BR50MW
RBV3500 - RBV3510	35	50 - 1,000	1.1	17.5	RBV25
BR3500 - BR3510	35	50 - 1,000	1.1	17.5	BR50
GBPC35005 - GBPC3510	35	50 - 1,000	1.1	17.5	BR50
KBPC3500 - KBPC3510	35	50 - 1,000	1.1	17.5	BR50M
BR3500W - BR3510W	35	50 - 1,000	1.1	17.5	BR50W
KBPC3500W - KBPC3510W	35	50 - 1,000	1.1	17.5	BR50MW
RBV5000 - RBV5010	50	50 - 1,000	1.1	25	RBV25
BR5000 - BR5010	50	50 - 1,000	1.1	25	BR50
S50VB80	50	800	1.05	25	BR50
KBPC5000 - KBPC5010	50	50 - 1,000	1.1	25	BR50M
BR5000W - BR5010W	50	50 - 1,000	1.1	25	BR50W

# TRS-STAR

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