

Automotive Rectifiers

Automotive Rectifiers are intended for use in automobile and high current applications. Won-Top Electronics manufactures a full range of performance characteristics Press Fit Diodes, Button Diodes and Rectifier Cells which are available to remanufacture alternators to exactly meet expected demand. Solve alternator problems, whether spiking failure, constant heavy leading, and power surging.

Bridge Rectifiers

Constructed in both glass passivated chips or open junction chips, Won-Top Electronics manufactures a complete line of Bridge Rectifiers which can meet the power and case style requirements of almost all electronics equipment. They are low cost and essential for any electronics equipment which requires full wave rectification of an AC power source.

Fast Recovery Rectifiers

As a family member of the recovery rectifiers, Won-Top Electronics' Fast Recovery Rectifiers are having maximum switching times of 150nS and low cost characteristics. They are ideal to use in switching mode power supplies and high frequency circuits in general, where low conduction losses, switching losses and cost are critical.

Schottky Rectifiers

Won-Top Electronics' Schottky Rectifiers are the ideal product for high speed and low power loss applications. Constructed in Schottky Barrier chip with Guard Ring for transient protection, we offer our customers a wide variety of barrier heights to best suit their end applications. They are ideally suited for low voltage, high frequency rectification, or as free wheeling and polarity protection diodes.

Small Signal Schottky Diodes

Small Signal Schottky Diodes are the extension of our Schottky Rectifiers with forward current less than 1.0 Amp. They are available in popular SOT-23, SOT-323 single and dual, SOD-123, and SOD-323 packages. Low forward voltage drop and fast switching makes these diodes ideal for laptops, cell phones, PDA's and any of the new battery powered portable devices.

Small Signal Switching Diodes

Small Signal Switching Diodes are intended for using in telecommunications equipment, PC motherboards, automotive systems, power supplies and consumer. They are utilized for signal blocking, routing, switching, and handling a myriad of function at lower currents.

Standard Recovery Rectifiers

Won-Top Electronics' Standard Recovery Rectifiers characterize low forward voltage drop and high current capability. They are low cost and ideally suited for general purpose applications as consumer electronics, lightings, computers, telecommunications equipment and accessories.

Superfast Recovery Rectifiers

Encapsulated in axial leads, surface mount, TO-220, TO-220A or TO-3P packages, Won-Top Electronics' Super Fast Recovery Rectifiers are having reverse recovery time as low as 35nS to complement the Schottky devices for higher voltage requirements in high frequency applications. They are intended to use in switching mode power supplies and frequency circuits.

Transient Voltage Suppressors(TVS)

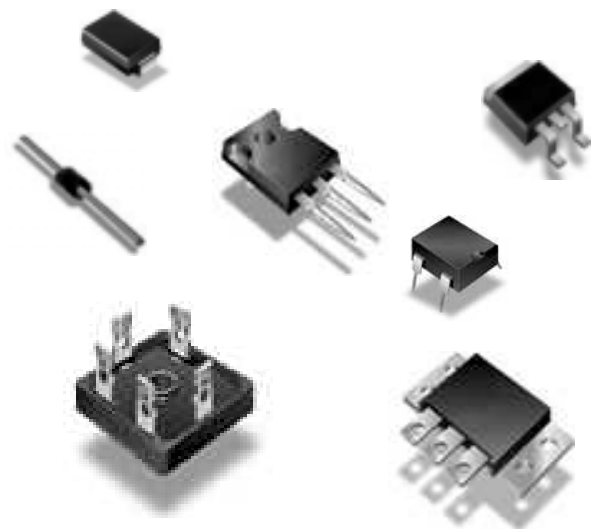
Transient Voltage Suppressors are manufactured with large area junctions to provide a high surge current handling capability and low dynamic impedance in avalanche mode. Their design enables these avalanche diodes to absorb large amounts of energy for short time durations without sustaining damage. Won-Top Electronics offers a broad range of glass passivated avalanche TVS diodes ranging from 400 to 5000 watts designed to provide a high level of reliable protection against destructive surges.

Ultrafast Recovery Rectifiers

Won-Top Electronics' High Efficiency Rectifiers characterize reverse recovery times as low as 50nS and voltage levels as high as 1000 volts and still maintain the efficiencies of a lower forward voltage loss. They are ideal to use in SMPS, inverters and free wheeling applications.

Zener Diodes

Zener Diodes are used as voltage regulators, voltage references, voltage suppressors against ESD threats and assorted clipping and clamping circuits. Won-Top Electronics provides a wide variety of package options including axial leads and surface mount SOD-123, SOD-323, SOT-23 and SOT-323 single and dual.



AUTOMOTIVE RECTIFIERS (1)

IF(AV) (A)	Device	Package		VRRM Range (V)	Max VF (V)	@	IF (A)
		Family	Type				
25	AR25A – AR25J	Button Diode	10mm Button	50 – 600	1.0		25
	ARS25A – ARS25J	Button Diode	8.6mm Button	50 – 600	1.0		25
	BD2500 – BD2506	Press Fit	13mm Bosch	50 – 600	1.0		25
	C25A – C25K	Cell Diode	5.5mm Cell	50 – 800	1.08		50
	DD250 – DD256	Press Fit	9.5mm Dish	50 – 600	1.0		25
	DD250S – DD256S	Press Fit	8.4mm Dish	50 – 600	1.0		25
	DD2520 – DD2524 NEW	Press Fit	9.5mm Dish	20 – 32	1.0		25
	DD2520S – DD2524S NEW	Press Fit	8.4mm Dish	20 – 32	1.0		25
	LD2500 – LD2506	Press Fit	10mm Lucas	50 – 600	1.0		25
	LD2520 – LD2524 NEW	Press Fit	10mm Lucas	20 – 32	1.0		25
	MD2500 – MD2506 NEW	Press Fit	13mm Motorola	50 – 600	1.0		25
	PF2500 – PF2506	Press Fit	DO-21	50 – 600	1.0		25
	PFW2500 – PFW2506	Press Fit	DO-21 Washer Lead	50 – 600	1.0		25
	TC2500 – TC2506	Press Fit	Tin Can	50 – 600	1.0		25
35	AR35A – AR35J	Button Diode	10mm Button	50 – 600	1.0		35
	ARS35A – ARS35J	Button Diode	8.6mm Button	50 – 600	1.0		35
	BD3500 – BD3506	Press Fit	13mm Bosch	50 – 600	1.0		35
	BD3520 – BD3524 NEW	Press Fit	13mm Bosch	20 – 32	1.0		35
	C35A – C35K	Cell Diode	6.2mm Cell	50 – 800	1.08		80
	C3520 – C3524 NEW	Cell Diode	6.2mm Cell	20 – 32	1.08		80
	DD350 – DD356	Press Fit	9.5mm Dish	50 – 600	1.0		35
	DD350S – DD356S	Press Fit	8.4mm Dish	50 – 600	1.0		35
	DD3520 – DD3524 NEW	Press Fit	9.5mm Dish	20 – 32	1.0		35
	DD3520S – DD3524S NEW	Press Fit	8.4mm Dish	20 – 32	1.0		35
	LD3500 – LD3506	Press Fit	10mm Lucas	50 – 600	1.0		35
	LD3520 – LD3524	Press Fit	10mm Lucas	20 – 32	1.0		35
	MD3500 – MD3506 NEW	Press Fit	13mm Motorola	50 – 600	1.0		35
	MD3520 – MD3524 NEW	Press Fit	13mm Motorola	20 – 32	1.0		35
	PF3500 – PF3506	Press Fit	DO-21	50 – 600	1.0		35
	PF3520 – PF3524 NEW	Press Fit	DO-21	20 – 32	1.0		35
	PFW3500 – PFW3506	Press Fit	DO-21 Washer Lead	50 – 600	1.0		35
	PFW3520 – PFW3524 NEW	Press Fit	DO-21 Washer Lead	20 – 32	1.0		35
	TC3500 – TC3506	Press Fit	Tin Can	50 – 600	1.0		35

AUTOMOTIVE RECTIFIERS (2)

IF(AV) (A)	Device	Package		VRRM Range (V)	Max VF (V)	@	IF (A)
		Family	Type				
50	AR50A – AR50J	Button Diode	10mm Button	50 – 600	1.1		50
	ARS50A – ARS50J	Button Diode	8.6mm Button	50 – 600	1.1		50
	BD5000 – BD5006	Press Fit	13mm Bosch	50 – 600	1.0		50
	BD5020 – BD5024 NEW	Press Fit	13mm Bosch	20 – 32	1.0		50
	C50A – C50K	Cell Diode	7.23mm Cell	50 – 800	1.08		100
	C5020 – C5024 NEW	Cell Diode	7.23mm Cell	20 – 32	1.08		100
	MD5000 – MD5006 NEW	Press Fit	13mm Motorola	50 – 600	1.0		50
	MD5020 – MD5024 NEW	Press Fit	13mm Motorola	20 – 32	1.0		50
	PF5000 – PF5006	Press Fit	DO-21	50 – 600	1.0		50
	PF5020 – PF5024 NEW	Press Fit	DO-21	20 – 32	1.0		50
	PFW5000 – PFW5006	Press Fit	DO-21 Washer Lead	50 – 600	1.0		50
	PFW5020 – PFW5024 NEW	Press Fit	DO-21 Washer Lead	20 – 32	1.0		50

BRIDGE RECTIFIERS (1)

IF(AV) (A)	Device	Package		VRRM Range (V)	Max VF (V) @	IF (A)
		Family	Type			
0.5	 B1S – B10S	Mini Bridge SMD	MB-S	100 – 1000	1.0	0.5
0.8	B40C800 – B500C800	Round Plastic	WOB	100 – 1200	1.0	0.8
1.0	B40C1000 – B500C1000	Round Plastic	WOB	100 – 1200	1.0	1.0
	 DF005 – DF10	Dual In-Line	DIL	50 – 1000	1.1	1.0
	DF005S – DF10S	Dual In-Line SMD	DF-S	50 – 1000	1.1	1.0
1.5	 B40C1500 – B500C1500	Round Plastic	WOB	100 – 1200	1.0	1.5
	 DF150 – DF1510	Dual In-Line	DIL	50 – 1000	1.1	1.5
	DF150S – DF1510S	Dual In-Line SMD	DF-S	50 – 1000	1.1	1.5
	 KBP005M – KBP10M	Single In-Line	KBP	50 – 1000	1.3	1.5
	 KBP150 – KBP1510	Single In-Line	KBP	50 – 1000	1.3	1.5
	 KBP150G – KBP1510G	Single In-Line	KBP	50 – 1000	1.3	1.5
	 RB150 – RB1510	Round Plastic	WOB	50 – 1000	1.0	1.5
	W005G – W10G	Round Plastic	WOB	50 – 1000	1.0	1.5
	 W005M – W10M	Round Plastic	WOB	50 – 1000	1.0	1.5
2.0	 2KBP005M – 2KBP10M	Single In-Line	KBP	50 – 1000	1.1	2.0
	 2W005 – 2W10	Round Plastic	RB-20	50 – 1000	1.0	2.0
	2W005G – 2W10G	Round Plastic	RB-20	50 – 1000	1.0	2.0
	 GBJ2A – GBJ2M	Single In-Line	GBL	50 – 1000	1.1	2.0
	 GBP200 – GBP210	Single In-Line	GBP	50 – 1000	1.0	1.0
	 KBP200 – KBP2010	Single In-Line	KBP	50 – 1000	1.1	2.0
	 KBP200G – KBP2010G	Single In-Line	KBP	50 – 1000	1.1	2.0
	 RB200 – RB2010	Round Plastic	RB-20	50 – 1000	1.0	2.0
3.0	 KBPC300 – KBPC310	Square Plastic	KBPC-3	50 – 1000	1.1	1.5
	 KBPC300G – KBPC310G	Square Plastic	KBPC-3	50 – 1000	1.0	1.5
3.7	BxxC3700/2200	Single In-Line	RS-5	100 – 1000	1.0	3.0
4.0	 GBJ4A – GBJ4M	Single In-Line	KBJ-4	50 – 1000	1.0	2.0
	 GBL00 – GBL10	Single In-Line	GBL	50 – 1000	1.1	2.0
	 GBU4A – GBU4M	Single In-Line	GBU	50 – 1000	1.0	2.0
	 KBL400 – KBL410	Single In-Line	KBL	50 – 1000	1.1	2.0
	KBL400G – KBL410G	Single In-Line	KBL	50 – 1000	1.1	2.0
	 KBU400 – KBU410	Single In-Line	KBU	50 – 1000	1.0	2.0
	 KBU400G – KBU410G	Single In-Line	KBU	50 – 1000	1.0	2.0
5.0	BxxC5000/3300	Single In-Line	RS-5	100 – 1000	1.0	5.0
6.0	 GBJ6A – GBJ6M	Single In-Line	GBJ-6	50 – 1000	1.0	3.0
	 GBU6A – GBU6M	Single In-Line	GBU	50 – 1000	1.0	3.0
	 KBJ6A – KBJ6M	Single In-Line	KBJ-6	50 – 1000	1.0	3.0
	 KBPC600 – KBPC610	Square Plastic	KBPC-6	50 – 1000	1.1	3.0
	 KBPC600G – KBPC610G	Square Plastic	KBPC-6	50 – 1000	1.0	3.0
	 KBU600 – KBU610	Single In-Line	KBU	50 – 1000	1.0	3.0
	 KBU600G – KBU610G	Single In-Line	KBU	50 – 1000	1.0	3.0

BRIDGE RECTIFIERS (2)

IF(AV) (A)	Device	Package		VRRM Range (V)	Max Vf (V)	@	IF (A)
		Family	Type				
8.0	 GBJ8A – GBJ8M	Single In-Line	GBJ-6	50 – 1000	1.0		4.0
	 GBU8A – GBU8M	Single In-Line	GBU	50 – 1000	1.0		4.0
	 KBJ8A – KBJ8M	Single In-Line	KBJ-6	50 – 1000	1.0		4.0
	 KBPC800 – KBPC810	Square Plastic	KBPC-8	50 – 1000	1.1		4.0
	 KBPC800G – KBPC810G	Square Plastic	KBPC-8	50 – 1000	1.0		4.0
	 KBPC800S – KBPC810S NEW	Square Plastic	KBPC-6	50 – 1000	1.1		4.0
	 KBU800 – KBU810	Single In-Line	KBU	50 – 1000	1.0		4.0
	 KBU800G – KBU810G	Single In-Line	KBU	50 – 1000	1.0		4.0
10	 GBJ10A – GBJ10M	Single In-Line	KBJ-4	50 – 1000	1.05		5.0
	 GBPC1000 – GBPC1016	Square Plastic	GBPC	50 – 1600	1.1		5.0
	 GBPC1000S – GBPC1016S	Single In-Line	KBPC-S	50 – 1600	1.1		5.0
	 GBPC1000W – GBPC1016W	Square Plastic	GBPC-W	50 – 1600	1.1		5.0
	 KBPC1000 – KBPC1016	Square Metal	KBPC	50 – 1600	1.2		5.0
	 KBPC1000P – KBPC1016P	Square Plastic	KBPC-P	50 – 1600	1.1		5.0
	 KBPC1000PW – KBPC1016PW	Square Plastic	KBPC-PW	50 – 1600	1.1		5.0
	 KBPC1000S – KBPC1016S	Single In-Line	KBPC-S	50 – 1600	1.1		5.0
	 KBPC1000W – KBPC1016W	Square Metal	KBPC-W	50 – 1600	1.2		5.0
	 KBU1000 – KBU1010	Single In-Line	KBU	50 – 1000	1.0		5.0
	 KBU1000G – KBU1010G	Single In-Line	KBU	50 – 1000	1.0		5.0
	 MP1000 – MP1010	Square Plastic	MP-10	50 – 1000	1.1		5.0
	 PB1000 – PB1010	Square Plastic	KBPC-8	50 – 1000	1.1		5.0
	 PB1000G – PB1010G	Square Plastic	KBPC-8	50 – 1000	1.0		5.0
	 PB1000S – PB1010S NEW	Square Plastic	KBPC-6	50 – 1000	1.1		5.0
	 RKBPC1000 – RKBPC1010	Square Plastic	RKBPC	50 – 1000	1.3		5.0
	 RKBPC1000W – RKBPC1010W	Square Plastic	RKBPC-W	50 – 1000	1.3		5.0
15	 GBJ15A – GBJ15M	Single In-Line	GBJ-6	50 – 1000	1.05		7.5
	 GBPC1500 – GBPC1516	Square Plastic	GBPC	50 – 1600	1.1		7.5
	 GBPC1500S – GBPC1516S	Single In-Line	KBPC-S	50 – 1600	1.1		7.5
	 GBPC1500W – GBPC1516W	Square Plastic	GBPC-W	50 – 1600	1.1		7.5
	 KBJ15A – KBJ15M	Single In-Line	KBJ-6	50 – 1000	1.05		7.5
	 KBPC1500 – KBPC1516	Square Metal	KBPC	50 – 1600	1.2		7.5
	 KBPC1500P – KBPC1516P	Square Plastic	KBPC-P	50 – 1600	1.1		7.5
	 KBPC1500PW – KBPC1516PW	Square Plastic	KBPC-PW	50 – 1600	1.1		7.5
	 KBPC1500S – KBPC1516S	Single In-Line	KBPC-S	50 – 1600	1.1		7.5
	 KBPC1500W – KBPC1516W	Square Metal	KBPC-W	50 – 1600	1.2		7.5
	 MP1500 – MP1510	Square Plastic	MP-15	50 – 1000	1.1		7.5
	 RKBPC1500 – RKBPC1510	Square Plastic	RKBPC	50 – 1000	1.3		7.5
	 RKBPC1500W – RKBPC1510W	Square Plastic	RKBPC-W	50 – 1000	1.3		7.5

BRIDGE RECTIFIERS (3)

IF(AV) (A)	Device	Package		VRRM Range (V)	Max VF (V) @	IF (A)
		Family	Type			
25	 GBJ25A – GBJ25M	Single In-Line	GBJ-6	50 – 1000	1.05	12.5
	 GBPC2500 – GBPC2516	Square Plastic	GBPC	50 – 1600	1.1	12.5
	 GBPC2500S – GBPC2516S	Single In-Line	KBPC-S	50 – 1600	1.1	12.5
	 GBPC2500W – GBPC2516W	Square Plastic	GBPC-W	50 – 1600	1.1	12.5
	 KBJ25A – KBJ25M	Single In-Line	KBJ-6	50 – 1000	1.05	12.5
	 KBPC2500 – KBPC2516	Square Metal	KBPC	50 – 1600	1.2	12.5
	 KBPC2500P – KBPC2516P	Square Plastic	KBPC-P	50 – 1600	1.1	12.5
	 KBPC2500PW – KBPC2516PW	Square Plastic	KBPC-PW	50 – 1600	1.1	12.5
	 KBPC2500S – KBPC2516S	Single In-Line	KBPC-S	50 – 1600	1.1	12.5
	 KBPC2500W – KBPC2516W	Square Metal	KBPC-W	50 – 1600	1.2	12.5
	 MT2500 – MT2516	3-Phase Bridge	MT	50 – 1600	1.26	40
	 RKBPC2500 – RKBPC2510	Square Plastic	RKBPC	50 – 1000	1.3	12.5
	 RKBPC2500W – RKBPC2510W	Square Plastic	RKBPC-W	50 – 1000	1.3	12.5
35	 GBJ35A – GBJ35M NEW	Single In-Line	GBJ-6	50 – 1000	1.1	17.5
	 GBPC3500 – GBPC3516	Square Plastic	GBPC	50 – 1600	1.1	17.5
	 GBPC3500S – GBPC3516S	Single In-Line	KBPC-S	50 – 1600	1.1	17.5
	 GBPC3500W – GBPC3516W	Square Plastic	GBPC-W	50 – 1600	1.1	17.5
	 KBPC3500 – KBPC3516	Square Metal	KBPC	50 – 1600	1.2	17.5
	 KBPC3500P – KBPC3516P	Square Plastic	KBPC-P	50 – 1600	1.1	17.5
	 KBPC3500PW – KBPC3516PW	Square Plastic	KBPC-PW	50 – 1600	1.1	17.5
	 KBPC3500S – KBPC3516S	Single In-Line	KBPC-S	50 – 1600	1.1	17.5
	 KBPC3500W – KBPC3516W	Square Metal	KBPC-W	50 – 1600	1.2	17.5
	 MT3500 – MT3516	3-Phase Bridge	MT	50 – 1600	1.19	40
	 RKBPC3500 – RKBPC3510	Square Plastic	RKBPC	50 – 1000	1.3	17.5
	 RKBPC3500W – RKBPC3510W	Square Plastic	RKBPC-W	50 – 1000	1.3	17.5
40	 GBPC4000 – GBPC4016	Square Plastic	GBPC	50 – 1600	1.1	20
	 GBPC4000S – GBPC4016S	Single In-Line	KBPC-S	50 – 1600	1.1	20
	 GBPC4000W – GBPC4016W	Square Plastic	GBPC-W	50 – 1600	1.1	20
	 KBPC4000 – KBPC4016	Square Metal	KBPC	50 – 1600	1.2	20
	 KBPC4000P – KBPC4016P	Square Plastic	KBPC-P	50 – 1600	1.1	20
	 KBPC4000PW – KBPC4016PW	Square Plastic	KBPC-PW	50 – 1600	1.1	20
	 KBPC4000S – KBPC4016S	Single In-Line	KBPC-S	50 – 1600	1.1	20
	 KBPC4000W – KBPC4016W	Square Metal	KBPC-W	50 – 1600	1.2	20
50	 GBPC5000 – GBPC5016	Square Plastic	GBPC	50 – 1600	1.1	25
	 GBPC5000S – GBPC5016S	Single In-Line	KBPC-S	50 – 1600	1.1	25
	 GBPC5000W – GBPC5016W	Square Plastic	GBPC-W	50 – 1600	1.1	25
	 KBPC5000 – KBPC5016	Square Metal	KBPC	50 – 1600	1.2	25
	 KBPC5000P – KBPC5016P	Square Plastic	KBPC-P	50 – 1600	1.1	25
	KBPC5000PW – KBPC5016PW	Square Plastic	KBPC-PW	50 – 1600	1.1	25
	KBPC5000S – KBPC5016S	Single In-Line	KBPC-S	50 – 1600	1.1	25
	KBPC5000W – KBPC5016W	Square Metal	KBPC-W	50 – 1600	1.2	25

FAST RECOVERY RECTIFIERS

IF(AV) (A)	Device	Package		VRRM Range (V)	Max VF (V)	@ (A)	trr (ns)
		Family	Type				
1.0	1N4933 – 1N4937	Axial	DO-41	50 – 600	1.2	1.0	200
	1N4933G – 1N4937G	Axial	DO-41	50 – 600	1.2	1.0	200
	BA157 – BA159	Axial	DO-41	400 – 1000	1.2	1.0	150 - 500
	FR101 – FR107	Axial	DO-41	50 – 1000	1.2	1.0	150 - 500
	FR101G – FR107G	Axial	DO-41	50 – 1000	1.3	1.0	150 - 500
	FR1A – FR1K	SMD	DO-214AA (SMB)	50 – 800	1.3	1.0	150 - 500
	RS1A – RS1K	SMD	DO-214AC (SMA)	50 – 800	1.3	1.0	150 - 500
1.5	FR151 – FR157	Axial	DO-15	50 – 1000	1.2	1.5	150 - 500
2.0	FR201 – FR207	Axial	DO-15	50 – 1000	1.2	2.0	150 - 500
	FR2A – FR2K	SMD	DO-214AA (SMB)	50 – 800	1.3	2.0	150 - 500
3.0	FR301 – FR307	Axial	DO-201AD	50 – 1000	1.2	3.0	150 - 500
	FR3A – FR3K	SMD	DO-214AB (SMC)	50 – 800	1.3	3.0	150 - 500
6.0	FR601 – FR607	Axial	R-6	50 – 1000	1.2	6.0	150 - 500

SCHOTTKY RECTIFIERS (1)

IF(AV) (A)	Device	Package		VRRM Range (V)	Max Vf @ (V)	IF (A)
		Family	Type			
1.0	1N5817 – 1N5819	Axial	DO-41	20 – 40	0.45 - 0.60	1.0
	SB120 – SB1100	Axial	DO-41	20 – 100	0.50 - 0.85	1.0
	SK12 – S110	SMD	DO-214AA (SMB)	20 – 100	0.50 - 0.85	1.0
	SR120 – SR1100	Axial	DO-41	20 – 100	0.50 - 0.85	1.0
	SS12 – S100	SMD	DO-214AC (SMA)	20 – 100	0.50 - 0.85	1.0
2.0	SB220 – SB2100	Axial	DO-15	20 – 100	0.50 - 0.85	2.0
	SB220S – SB2100S NEW	Axial	DO-41	20 – 100	0.50 - 0.85	2.0
	SK22 – S210	SMD	DO-214AA (SMB)	20 – 100	0.50 - 0.85	2.0
	SR22 – SR210	SMD	DO-214AC (SMA)	20 – 100	0.50 - 0.85	2.0
	SR220 – SR2100	Axial	DO-15	20 – 100	0.50 - 0.85	2.0
3.0	1N5820 – 1N5822	Axial	DO-201AD	20 – 40	0.475 - 0.525	3.0
	SB320 – SB3100	Axial	DO-201AD	20 – 100	0.50 - 0.85	3.0
	SK32 – S310	SMD	DO-214AB (SMC)	20 – 100	0.50 - 0.85	3.0
	SR3150 NEW	SMD	DO-214AA (SMB)	150	0.92	3.0
	SR32 – SR310	SMD	DO-214AA (SMB)	20 – 100	0.50 - 0.85	3.0
	SR320 – SR3100	Axial	DO-201AD	20 – 100	0.50 - 0.85	3.0
	SX32 – SX310	SMD	DO-214AC (SMA)	20 – 100	0.50 - 0.85	3.0
5.0	SB520 – SB5100	Axial	DO-201AD	20 – 100	0.55 - 0.85	5.0
	SK52 – S510	SMD	DO-214AB (SMC)	20 – 100	0.50 - 0.85	5.0
	SR520 – SR5100	Axial	DO-201AD	20 – 100	0.55 - 0.85	5.0
6.0	SB620 – SB660	Power-pack	TO-220A	20 – 60	0.55 - 0.70	6.0
	SB620CT – SB660CT	Power-pack	TO-220	20 – 60	0.55 - 0.70	3.0
	SB620F – SB660F	Power-pack	ITO-220A	20 – 60	0.55 - 0.70	6.0
	SB620FCT – SB660FCT	Power-pack	ITO-220	20 – 60	0.55 - 0.70	3.0
8.0	SB8150 NEW	Power-pack	TO-220A	150	0.92	8.0
	SB8150CT NEW	Power-pack	TO-220	150	0.92	4.0
	SB8150D NEW	Power-pack SMD	TO-263 (D ² PAK)	150	0.92	8.0
	SB8150DC NEW	Power-pack SMD	TO-263 (D ² PAK)	150	0.92	4.0
	SB8150F NEW	Power-pack	ITO-220A	150	0.92	8.0
	SB8150FCT NEW	Power-pack	ITO-220	150	0.92	4.0
	SB820 – SB8100	Power-pack	TO-220A	20 – 100	0.55 - 0.85	8.0
	SB820CT – SB8100CT	Power-pack	TO-220	20 – 100	0.55 - 0.85	4.0
	SB820D – SB8100D	Power-pack SMD	TO-263 (D ² PAK)	20 – 100	0.55 - 0.85	8.0
	SB820DC – SB8100DC	Power-pack SMD	TO-263 (D ² PAK)	20 – 100	0.55 - 0.85	4.0
	SB820F – SB8100F	Power-pack	ITO-220A	20 – 100	0.55 - 0.85	8.0
	SB820FCT – SB8100FCT	Power-pack	ITO-220	20 – 100	0.55 - 0.85	4.0

SCHOTTKY RECTIFIERS (2)

IF(AV) (A)	Device	Package		VRRM Range (V)	Max VF (V) @	IF (A)
		Family	Type			
10	SB10150 NEW	Power-pack	TO-220A	150	0.92	10
	SB10150CT NEW	Power-pack	TO-220	150	0.92	5.0
	SB10150DC NEW	Power-pack SMD	TO-263 (D ² PAK)	150	0.92	5.0
	SB10150F NEW	Power-pack	ITO-220A	150	0.92	10
	SB10150FCT NEW	Power-pack	ITO-220	150	0.92	5.0
	SB1020 – SB10100	Power-pack	TO-220A	20 – 100	0.55 - 0.85	10
	SB1020CT – SB10100CT	Power-pack	TO-220	20 – 100	0.55 - 0.85	5.0
	SB1020DC – SB10100DC	Power-pack SMD	TO-263 (D ² PAK)	20 – 100	0.55 - 0.85	5.0
	SB1020F – SB10100F	Power-pack	ITO-220A	20 – 100	0.55 - 0.85	10
	SB1020FCT – SB10100FCT	Power-pack	ITO-220	20 – 100	0.55 - 0.85	5.0
	SD1030 – SD1045 NEW	Axial	DO-201AD	30 – 45	0.55	10
16	S16D30C – S16D60C NEW	Power-pack	TO-3P	30 – 60	0.55 - 0.65	8.0
	SB16150CT NEW	Power-pack	TO-220	150	0.92	8.0
	SB16150DC NEW	Power-pack SMD	TO-263 (D ² PAK)	150	0.92	8.0
	SB16150FCT NEW	Power-pack	ITO-220	150	0.92	8.0
	SB1620CT – SB16100CT	Power-pack	TO-220	20 – 100	0.55 - 0.85	8.0
	SB1620DC – SB16100DC	Power-pack SMD	TO-263 (D ² PAK)	20 – 100	0.55 - 0.85	8.0
	SB1620FCT – SB16100FCT	Power-pack	ITO-220	20 – 100	0.55 - 0.85	8.0
20	S20D30C – S20D60C NEW	Power-pack	TO-3P	30 – 60	0.55 - 0.65	10
	SB20150CT NEW	Power-pack	TO-220	150	0.92	10
	SB20150FCT NEW	Power-pack	ITO-220	150	0.92	10
	SB2020CT – SB20100CT	Power-pack	TO-220	20 – 100	0.55 - 0.85	10
	SB2020FCT – SB20100FCT	Power-pack	ITO-220	20 – 100	0.55 - 0.85	10
25	SB2520CT – SB25100CT	Power-pack	TO-220	20 – 100	0.55 - 0.85	12.5
	SB2520FCT – SB25100FCT	Power-pack	ITO-220	20 – 100	0.55 - 0.85	12.5
30	S30D30C – S30D60C NEW	Power-pack	TO-3P	30 – 60	0.55 - 0.65	15

SMALL SIGNAL SCHOTTKY DIODES

Pd (mW)	Device	Package		VRM Range (V)	trr (ns)	Max Vf @ (V)	If (mA)
		Family	Type				
200	BAS40W / AW / CW / SW	SMD	SOT-323	40	5.0	0.38 / 1.0	1.0 / 40
	BAS40WS	SMD	SOD-323	40	5.0	0.38 / 1.0	1.0 / 40
	BAS70 / A / C / S	SMD	SOT-23	70	5.0	0.41 / 1.0	1.0 / 15
	BAS70W / AW / CW / SW	SMD	SOT-323	70	5.0	0.41 / 1.0	1.0 / 15
	BAS70WS	SMD	SOD-323	70	5.0	0.41 / 1.0	1.0 / 15
	BAT42W	SMD	SOD-123	30	5.0	0.40 / 1.0	10 / 200
	BAT42WS	SMD	SOD-323	30	5.0	0.40 / 1.0	1.0 / 200
	BAT43W	SMD	SOD-123	30	5.0	0.33 / 1.0	2.0 / 200
	BAT43WS	SMD	SOD-323	30	5.0	0.33 / 1.0	2.0 / 200
	BAT54 / A / C / S	SMD	SOT-23	30	5.0	0.40 / 1.0	10 / 100
	BAT54W / AW / CW / SW	SMD	SOT-323	30	5.0	0.40 / 1.0	10 / 100
	BAT54WS	SMD	SOD-323	30	5.0	0.32 / 1.0	1.0 / 100
	MMBD717W / AW / CW / SW	SMD	SOT-323	20	5.0	0.37	1.0
	MMBD717WS	SMD	SOD-323	20	5.0	0.37	1.0
	SD101AWS – SD101CWS NEW	SMD	SOD-323	40 – 60	1.0	0.39 - 0.41	1.0
	SD103AWS – SD103CWS	SMD	SOD-323	20 – 40	10	0.37 / 0.60	20 / 200
350	BAS40 / A / C / S	SMD	SOT-23	40	5.0	0.38 / 1.0	1.0 / 40
	MMBD717 / A / C / S	SMD	SOT-23	20	5.0	0.37	1.0
410	SD101AW – SD101CW NEW	SMD	SOD-123	40 – 60	1.0	0.39 - 0.41	1.0
	SD103AW – SD103CW	SMD	SOD-123	20 – 40	10	0.37 / 0.60	20 / 200
	SS0520 – SS0540	SMD	SOD-123	20 – 40	—	0.385 - 0.51	500
	SS0520FL – SS0540FL NEW	SMD	SOD-123FL	20 – 40	—	0.385 - 0.51	500
450	SS1020FL – SS10100FL NEW	SMD	SDO-123FL	20 – 100	—	0.45 - 0.85	1000
	SS1040 NEW	SMD	SOD-123	40	—	0.55	1000

SMALL SIGNAL SWITCHING DIODES

Pd (mW)	Device	Package		VRM Range (V)	trr (ns)	Max Vf @ (V)	If (mA)
		Family	Type				
200	1N4148WS	SMD	SOD-323	100	4.0	1.0	10
	1N4448WS	SMD	SOD-323	100	4.0	0.72 / 1.0	5.0 / 100
	BAL99W	SMD	SOT-323	100	6.0	0.855 / 1.0	10 / 50
	BAS16W	SMD	SOT-323	100	6.0	0.855 / 1.0	10 / 50
	BAS19W – BAS21W	SMD	SOT-323	120 – 250	50	1.0 / 1.25	100 / 200
	BAV16WS	SMD	SOD-323	100	6.0	0.855	10
	BAV19WS – BAV21WS	SMD	SOD-323	120 – 250	50	1.0	100
	BAV70W	SMD	SOT-323	100	6.0	0.855 / 1.0	10 / 50
	BAV99W	SMD	SOT-323	100	6.0	0.855 / 1.0	10 / 50
	BAW56W	SMD	SOT-323	100	6.0	0.855 / 1.0	10 / 50
	MMBD4148W	SMD	SOT-323	100	4.0	0.855 / 1.0	10 / 50
	MMBD4448W	SMD	SOT-323	100	4.0	0.72 / 1.0	5.0 / 100
350	BAL99	SMD	SOT-23	100	6.0	0.855 / 1.0	10 / 50
	BAS16	SMD	SOT-23	100	6.0	0.855	10
	BAS19 – BAS21	SMD	SOT-23	120 – 250	50	1.0 / 1.25	100 / 200
	BAV16W	SMD	SOD-123	100	6.0	0.855	10
	BAV70	SMD	SOT-23	100	6.0	0.855 / 1.0	10 / 50
	BAV99	SMD	SOT-23	100	6.0	0.855 / 1.0	10 / 50
	BAW56	SMD	SOT-23	100	6.0	0.855 / 1.0	10 / 50
	MMBD4148	SMD	SOT-23	100	4.0	1.0	10
	MMBD4448	SMD	SOT-23	100	4.0	0.72 / 1.0	5.0 / 100
	MMBD6050	SMD	SOT-23	70	4.0	0.70 / 1.1	1.0 / 100
	MMBD6100	SMD	SOT-23	70	4.0	0.70 / 1.1	1.0 / 100
	MMBD7000	SMD	SOT-23	100	4.0	0.70 / 1.1	1.0 / 100
	MMBD914	SMD	SOT-23	100	4.0	1.0	10
410	1N4148W	SMD	SOD-123	100	4.0	1.0	10
	1N4150W	SMD	SOD-123	50	4.0	1.0	200
	BAV19W – BAV21W	SMD	SOD-123	120 – 250	50	1.0	100
500	1N4148	Axial	DO-35 GLASS	100	4.0	1.0	10
	1N4151W	SMD	SOD-123	75	2.0	1.0	10
	1N4448W	SMD	SOD-123	100	4.0	0.72 / 1.0	5.0 / 10
	LL4148	SMD	MiniMELF	100	4.0	1.0	10

STANDARD RECOVERY RECTIFIERS

IF(AV) (A)	Device	Package		VRRM Range (V)	Max VF (V)	@	IF (A)
		Family	Type				
1.0	1A1 – 1A7	Axial	R-1	50 – 1000	1.0		1.0
	1N4001 – 1N4007	Axial	DO-41	50 – 1000	1.0		1.0
	1N4001G – 1N4007G	Axial	DO-41	50 – 1000	1.0		1.0
	BY133	Axial	DO-41	1300	1.0		1.0
	GS1A – GS1M	SMD	DO-214AC (SMA)	50 – 1000	1.1		1.0
	S1A – S1M	SMD	DO-214AA (SMB)	50 – 1000	1.1		1.0
1.5	1N5391 – 1N5399	Axial	DO-15	50 – 1000	1.0		1.5
2.0	RL201 – RL207	Axial	DO-15	50 – 1000	1.0		2.0
	RL208 NEW	Axial	DO-15	1300	1.0		2.0
	S2A – S2M	SMD	DO-214AA (SMB)	50 – 1000	1.1		2.0
	S2AA – S2MA	SMD	DO-214AC (SMA)	50 – 1000	1.1		2.0
3.0	1N5400 – 1N5408	Axial	DO-201AD	50 – 1000	1.0		3.0
	S3A – S3M	SMD	DO-214AB (SMC)	50 – 1000	1.2		3.0
	S3AB – S3MB	SMD	DO-214AA (SMB)	50 – 1000	1.2		3.0
5.0	BY550-50 – BY550-1000 NEW	Axial	DO-201AD	50 – 1000	1.1		5.0
	S5A – S5M	SMD	DO-214AB (SMC)	50 – 1000	1.15		5.0
6.0	MR750 – MR7510 NEW	Axial	P-600	50 – 1000	1.0		6.0
	P600A – P600M	Axial	P-600	50 – 1000	1.0		6.0
10	10A05 – 10A10 NEW	Axial	P-600	50 – 1000	1.0		10

SUPERFAST RECOVERY RECTIFIERS

IF(AV) (A)	Device	Package		VRRM Range (V)	Max VF @ (V)	IF (A)	trr (ns)
		Family	Type				
1.0	EFS1J NEW	SMD	DO-214AC (SMA)	600	1.25	1.0	50
	ER1A – ER1J	SMD	DO-214AA (SMB)	50 – 600	0.95 - 1.7	1.0	35
	ES1A – ES1J	SMD	DO-214AC (SMA)	50 – 600	0.95 - 1.7	1.0	35
	SF11 – SF17	Axial	DO-41	50 – 600	0.95 - 1.7	1.0	35
2.0	ER2A – ER2J	SMD	DO-214AA (SMB)	50 – 600	0.95 - 1.7	2.0	35
	ER2AA – ER2JA NEW	SMD	DO-214AC (SMA)	50 – 600	0.95 - 1.7	2.0	35
	SF21 – SF27	Axial	DO-15	50 – 600	0.95 - 1.7	2.0	35
3.0	ER3A – ER3J	SMD	DO-214AB (SMC)	50 – 600	0.95 - 1.7	3.0	35
	SF31 – SF37	Axial	DO-201AD	50 – 600	0.95 - 1.7	3.0	35
5.0	SF51 – SF57	Axial	DO-201AD	50 – 600	0.95 - 1.7	5.0	35
8.0	ER800 – ER806	Power-pack	TO-220A	50 – 600	0.95 - 1.7	8.0	35 - 50
	ER800F – ER806F	Power-pack	ITO-220A	50 – 600	0.95 - 1.7	8.0	35 - 50
10	ER1000 – ER1006	Power-pack	TO-220A	50 – 600	0.95 - 1.7	10	35 - 50
	ER1000CT – ER1006CT	Power-pack	TO-220	50 – 600	0.95 - 1.7	5.0	35 - 50
	ER1000F – ER1006F	Power-pack	ITO-220A	50 – 600	0.95 - 1.7	10	35 - 50
	ER1000FCT – ER1006FCT	Power-pack	ITO-220	50 – 600	0.95 - 1.7	5.0	35 - 50
16	ER1600CT – ER1606CT	Power-pack	TO-220	50 – 600	0.95 - 1.7	8.0	35 - 50
	ER1600FCT – ER1606FCT	Power-pack	ITO-220	50 – 600	0.95 - 1.7	8.0	35 - 50
	U16D05C – U16D60C NEW	Power-pack	TO-3P	50 – 600	0.975 - 1.7	8.0	35 - 50
30	U30D05C – U30D60C NEW	Power-pack	TO-3P	50 – 600	0.975 - 1.7	15	35 - 50

TRANSIENT VOLTAGE SUPPRESSORS

PPM (W)	Device	Package		V _{WM} Range (V)	V _(BR) Range (V)	Standard V _(BR) Tolerance
		Family	Type			
400	P4KE6.8 – P4KE440CA	Axial	DO-41	5.5 – 376	6.8 - 440	5% - 10%
	P4SMAJ180 – P4SMAJ220CA	SMD	DO-214AC (SMA)	180 – 220	198 - 242	5% - 10%
	P4SMAJ5.0 – P4SMAJ170CA	SMD	DO-214AC (SMA)	5.0 – 170	6.4 - 189	5% - 10%
500	SA180 – SA220CA	Axial	DO-15	180 – 220	180 - 220	5% - 10%
	SA5.0 – SA170CA	Axial	DO-15	5.0 – 170	5.0 - 170	5% - 10%
600	P6KE6.8 – P6KE440CA	Axial	DO-15	5.5 – 376	6.8 - 440	5% - 10%
	P6SMBJ180 – P6SMBJ220CA	SMD	DO-214AA (SMB)	180 – 220	198 - 242	5% - 10%
	P6SMBJ5.0 – P6SMBJ170CA	SMD	DO-214AA (SMB)	5.0 – 170	6.4 - 189	5% - 10%
1500	1.5KE6.8 – 1.5KE440CA	Axial	DO-201AE	5.5 – 376	6.8 - 440	5% - 10%
	1.5SMCJ180 – 1.5SMCJ220CA	SMD	DO-214AB (SMC)	180 – 220	198 - 242	5% - 10%
	1.5SMCJ5.0 – 1.5SMCJ170CA	SMD	DO-214AB (SMC)	5.0 – 170	6.4 - 189	5% - 10%
3000	3.0SMC180 – 3.0SMCJ220CA	SMD	DO-214AB (SMC)	180 – 220	198 - 242	5% - 10%
	3.0SMCJ5.0 – 3.0SMCJ170CA	SMD	DO-214AB (SMC)	5.0 – 170	6.4 - 189	5% - 10%
	3KP180 – 3KP220CA	Axial	P-600	180 – 220	198 - 242	5% - 10%
	3KP5.0 – 3KP170CA	Axial	P-600	5.0 – 170	6.4 - 189	5% - 10%
5000	5KP120 – 5KP200CA	Axial	P-600	120 – 200	133 - 220	5% - 10%
	5KP5.0 – 5KP110CA	Axial	P-600	5.0 – 110	6.4 - 122	5% - 10%

ULTRAFAST RECOVERY RECTIFIERS

IF(AV) (A)	Device	Package		VRRM Range (V)	Max VF @ (V)	IF (A)	trr (ns)
		Family	Type				
1.0	1H1 – 1H8	Axial	R-1	50 – 1000	1.0 - 1.7	1.0	50 - 75
	HER101 – HER108	Axial	DO-41	50 – 1000	1.0 - 1.7	1.0	50 - 75
	HER101G – HER108G	Axial	DO-41	50 – 1000	1.0 - 1.7	1.0	50 - 75
	UF1A – UF1K	SMD	DO-214AA (SMB)	50 – 800	1.0 - 1.7	1.0	50 - 100
	UF4001 – UF4007	Axial	DO-41	50 – 1000	1.0 - 1.7	1.0	50 - 75
	UF4001G – UF4007G	Axial	DO-41	50 – 1000	1.0 - 1.7	1.0	50 - 75
	US1A – US1K	SMD	DO-214AC (SMA)	50 – 800	1.0 - 1.7	1.0	50 - 100
1.5	HER151 – HER158	Axial	DO-15	50 – 1000	1.0 - 1.7	1.5	50 - 75
2.0	HER201 – HER208	Axial	DO-15	50 – 1000	1.0 - 1.7	2.0	50 - 75
	HER201G – HER208G	Axial	DO-15	50 – 1000	1.0 - 1.7	2.0	50 - 75
	UF2A – UF2K	SMD	DO-214AA (SMB)	50 – 800	1.0 - 1.7	2.0	50 - 100
3.0	HER301 – HER308	Axial	DO-201AD	50 – 1000	1.0 - 1.7	3.0	50 - 75
	UF3A – UF3K	SMD	DO-214AB (SMC)	50 – 800	1.0 - 1.7	3.0	50 - 100
	UF5400 – UF5408	Axial	DO-201AD	50 – 1000	1.0 - 1.7	3.0	50 - 75
	UF5400G – UF5408G	Axial	DO-201AD	50 – 1000	1.0 - 1.7	3.0	50 - 75
5.0	HER501 – HER508	Axial	DO-201AD	50 – 1000	1.0 - 1.7	5.0	50 - 75
8.0	UF800 – UF808	Power-pack	TO-220A	50 – 800	1.0 - 1.7	8.0	50 - 100
	UF800F – UF808F	Power-pack	ITO-220A	50 – 800	1.0 - 1.7	8.0	50 - 100
10	UF1000 – UF1008	Power-pack	TO-220A	50 – 800	1.0 - 1.7	10	50 - 100
	UF1000CT – UF1008CT	Power-pack	TO-220	50 – 800	1.0 - 1.7	5.0	50 - 100
	UF1000F – UF1008F	Power-pack	ITO-220A	50 – 800	1.0 - 1.7	10	50 - 100
	UF1000FCT – UF1008FCT	Power-pack	ITO-220	50 – 800	1.0 - 1.7	5.0	50 - 100
16	UF1600CT – UF1608CT	Power-pack	TO-220	50 – 800	1.0 - 1.7	8.0	50 - 100
	UF1600FCT – UF1608FCT	Power-pack	ITO-220	50 – 800	1.0 - 1.7	8.0	50 - 100
30	H30D05C – H30D60C NEW	Power-pack	TO-3P	50 – 600	1.0 - 1.7	15	50 - 100

ZENER DIODES

P _{MAX} (mW)	Device	Package		Zener Voltage Range (V)	Zener Voltage Tolerance
		Family	Type		
200	BZT52C2V4S – BZT52C51S	SMD	SOD-323	2.4 – 51	± 5%
	BZX84C2V4W – BZX84C51W	SMD	SOT-323	2.4 – 51	± 5%
	MMBZ5221BW – MMBZ5259BW	SMD	SOT-323	2.4 – 39	± 5%
	MMSZ5221BS – MMSZ5259BS	SMD	SOD-323	2.4 – 39	± 5%
350	BZX84C2V4 – BZX84C51	SMD	SOT-23	2.4 – 51	± 5%
	MMBZ5221B – MMBZ5259B	SMD	SOT-23	2.4 – 39	± 5%
410	BZT52C2V4 – BZT52C51	SMD	SOD-123	2.4 – 51	± 5%
500	MMSZ5221B – MMSZ5259B	SMD	SOD-123	2.4 – 39	± 5%
1000	1N4728A – 1N4764A	Axial	DO-41 GLASS	3.3 – 100	± 5%