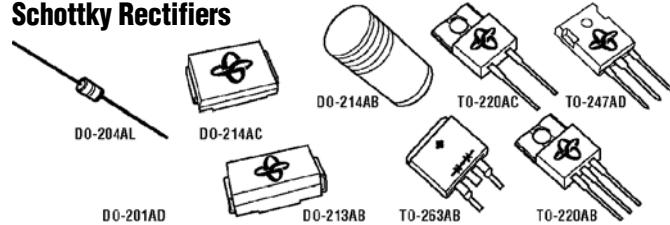


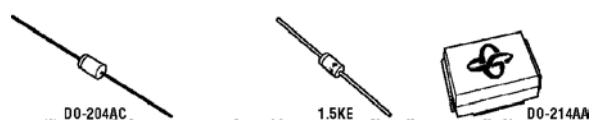
Rectifiers and Voltage Suppressors

GENERAL SEMICONDUCTOR[®]

Schottky Rectifiers



Transient Voltage Suppressors

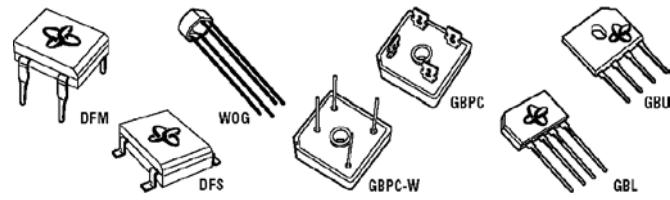


Plastic Axial

Mfr.'s Type	I _F (AV) (A)	Package		V _(BR) Range (V)	Max. V _F @ I _F		P _{PM} (W)	V _{WM} (V)	V _(BR) Range (V)
		Family	Type		(V)	(A)			
1N5817	1.0	Plastic Axial	DO-204AL (DO-41)	20	0.45/0.60	1.0			
1N5818	1.0	Plastic Axial	DO-204AL (DO-41)	30	0.45/0.60	1.0			
1N5819	1.0	Plastic Axial	DO-204AL (DO-41)	40	0.45/0.60	1.0			
1N5820	3.0	Plastic Axial	DO-201AD	20	0.475/0.52	3.0			
1N5821	3.0	Plastic Axial	DO-201AD	30	0.475/0.52	3.0			
1N5822	3.0	Plastic Axial	DO-201AD	40	0.475/0.52	3.0			
SS14	1.0	Plastic SMD	DO-214AC (SMA)	40	0.500/0.75	1.0			
SS16	1.0	Plastic SMD	DO-214AC (SMA)	60	0.500/0.75	1.0			
SGL41-40	1.0	Plastic SMD	DO-213AB (MELF)	40	0.500/0.75	1.0			
SS34	3.0	Plastic SMD	DO-214AB (SMD)	40	0.500/0.75	3.0			
MBR1045	10.0	Power-Pack SMD	TO-263AB (D-PAK)	40	0.840/0.95	20/10.0			
MBR1060	20.0	Power-Pack SMD	TO-263AB (D-PAK)	50	0.840/0.95	20/10.0			
MBR2045CT	20.0	Plastic Power-Pack*	TO-263AB (D-PAK)	50	0.840/0.95	20/10.0			
MBR745	7.5	Plastic Power-Pack	TO-220AC	45	0.840/0.75	15/0.7.5			
MBR1045	10.0	Plastic Power-Pack	TO-220AC	40	0.840/0.95	20/10.0			
MBR1060	20.0	Plastic Power-Pack	TO-220AC	50	0.840/0.95	20/10.0			
MBR1645	16.0	Plastic Power-Pack	TO-220AC	45	0.630/0.75	16.0			
MBR2045CT	20.0	Plastic Power-Pack*	TO-220AB	45	0.840/0.95	20/10.0			
MBR2545CT	25.0	Plastic Power-Pack	TO-220AB	45	0.820/0.75	30/15.0			
MBR3045PT	30.0	Plastic Power-Pack*	TO-247AD	45	0.760/0.75	30/20.0			

*Dual center-tapped device (V_F limit @ I_F is per leg). All schottky die are planar with oxide passivation.

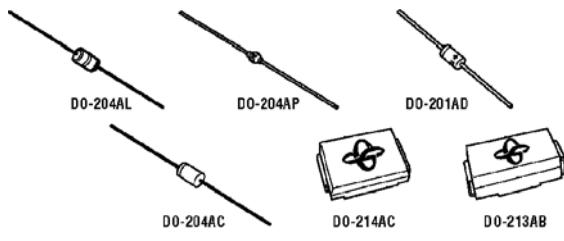
Single-Phase Bridge Rectifiers



Surface Mount

Mfr.'s Type	I _F (AV) (A)	Package		V _(BR) Range (V)	Max.* V _F @ I _F		P _{PM} (W)	V _{WM} (V)	V _(BR) Range (V)
		Family	Type		(V)	(A)			
DO-214AA (SMB)									
Unidirectional									
SMBJ5.0A	5.0	SMB	5.0CA	600	5.0	6.4			
SMBJ7.5A	7.5	SMB	7.5CA	600	7.5	8.3			
SMBJ12.0A	12.0	SMB	12.0CA	600	12.0	13.3			
SMBJ15A	15.0	SMB	15CA	600	15.0	16.7			
SMBJ33A	33.0	SMB	33CA	600	33.0	36.7			
SMBJ36A	36.0	SMB	36CA	600	36.0	40.0			
SMBJ100A	100.0	SMB	100CA	600	100.0	111.0			

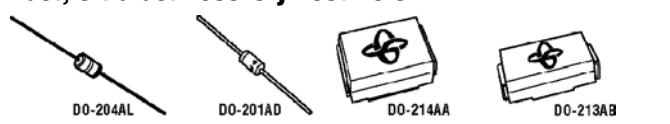
Standard Rectifiers



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*V_F limits are per leg. All bridges use glass passivated chips.

Fast, Ultrafast Recovery Rectifiers



Mfr.'s Type	I _F (AV) (A)	Package		V _(BR) Range (V)	Max. V _F @ I _F		trr (ns)	(V)	(A)
		Family	Type		(V)	(A)			
1N4935	1.0	Plastic Axial	DO-204AL (DO-41)	200	1.2	1.00	200		
1N4937	1.0	Plastic Axial	DO-204AL (DO-41)	600	1.2	1.00	200		
1N4935GP	1.0	SUPERRECTIFIER Axial	DO-204AL (DO-41)	200	1.2	1.00	200		
1N4937GP	1.0	SUPERRECTIFIER Axial	DO-204AL (DO-41)	600	1.2	1.00	200		
UF4004	1.0	Plastic Axial*	DO-204AL (DO-41)	400	1.0/1.70	1.05	50/75		
UF4007	1.0	Plastic Axial*	DO-204AL (DO-41)	1000	1.0/1.70	1.05	50/75		
UF5405	3.0	Plastic Axial*	DO-201AD	500	1.0/1.70	3.00	50/75		
UF5408	3.0	Plastic Axial*	DO-201AD	1000	1.0/1.70	3.00	50/75		
EGL41G	2.0	Plastic SMD*	DO-214AA (SMB)	200	0.9	2.00	20		
EGL41G	1.0	SUPERRECTIFIER SMD	DO-213AB (MELF)	400	1.0/1.25	1.00	50		

*Glass passivated die.

*Glass passivated die.

Same Day Shipments For Product In Stock

ALLIED ▶ 813