

# DIODES INC. Rectifiers



This product is RoHS compliant.



## STANDARD RECTIFIERS

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current	V <sub>RRM</sub> (Max.)	Max. Surge Current	Forward Voltage	Operating Temperature	Price Each			Reel Quantity	Price Per Piece
								1	10	100		
621-1N4001	1N4001-T	DO-41	1A	50	30A	1.0	-65°C to +175°C	.30	.19	.085	5000	.019
621-1N4004	1N4004-T	DO-41	1A	400	30A	1.0	-65°C to +175°C	.30	.19	.085	5000	.02
621-1N4007	1N4007-T	DO-41	1A	1000	30A	1.0	-65°C to +175°C	.30	.19	.085	5000	.019
621-1N5404	1N5404-T	DO-201AD	3A	400	200A	1.0	-65°C to +175°C	.52	.37	.157	1200	.085
621-1N5408	1N5408-T	DO-201AD	3A	1000	200A	1.0	-65°C to +175°C	.52	.37	.157	1200	.074
621-6A1	6A1-T	D-6	6A	100	400A	0.90	-65°C to +175°C	.52	.41	.313	500	.209
621-6A4	6A4-T	D-6	6A	400	400A	0.90	-65°C to +175°C	.52	.41	.313	500	.209
621-6A10	6A10-T	D-6	6A	1000	400A	0.90	-65°C to +175°C	.52	.41	.313	500	.209
621-S8MC-13	S8MC-13	SMA	8A	1000V	200A	0.985	-60°C to +150°C	.66	.58	.444	3000	.232

## GLASS PASSIVATED RECTIFIERS

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current	V <sub>RRM</sub> (Max.)	Max. Surge Current	Forward Voltage	Operating Temperature	Price Each			Reel Quantity	Price Per Piece
								1	10	100		
621-S1AB-F	S1AB-F	SMB	1A	50V	30A	1.1V	-65°C to +150°C	.42	.30	.18	3000	.061
621-S1BB-F	S1BB-F	SMB	1A	100V	30A	1.1V	-65°C to +150°C	.42	.30	.18	3000	.064
621-S1DB-F	S1DB-F	SMB	1A	200V	30A	1.1V	-65°C to +150°C	.42	.30	.17	3000	.066
621-S1GB-F	S1GB-F	SMB	1A	400V	30A	1.1V	-65°C to +150°C	.53	.37	.18	3000	.085
621-S1JB-F	S1JB-F	SMB	1A	600V	30A	1.1V	-65°C to +150°C	.42	.30	.18	3000	.071
621-S1KB-F	S1KB-F	SMB	1A	800V	30A	1.1V	-65°C to +150°C	.39	.30	.216	3000	.08
621-S1MB-F	S1MB-F	SMB	1A	1000V	30A	1.1V	-65°C to +150°C	.49	.38	.24	3000	.083
621-S1A-F	S1A-F	SMA	1A	50V	30A	1V	-65°C to +150°C	.46	.31	.16	5000	.053
621-S1B-F	S1B-F	SMA	1A	100V	30A	1V	-65°C to +150°C	.46	.31	.16	5000	.054
621-S1D-F	S1D-F	SMA	1A	200V	30A	1V	-65°C to +150°C	.46	.299	.16	5000	.055
621-S1G-F	S1G-F	SMA	1A	400V	30A	1V	-65°C to +150°C	.49	.34	.176	5000	.057
621-S1J-F	S1J-F	SMA	1A	600V	30A	1V	-65°C to +150°C	.50	.34	.16	5000	.059
621-S1K-F	S1K-F	SMA	1A	800V	30A	1V	-65°C to +150°C	.50	.34	.16	5000	.068
621-S1M-F	S1M-F	SMA	1A	1000V	30A	1V	-65°C to +150°C	.55	.37	.176	5000	.077
621-S2AA-F	S2AA-F	SMA	1.5A	50V	50A	1.15V	-65°C to +150°C	.39	.30	.216	5000	.074
621-S2BA-F	S2BA-F	SMA	1.5A	100V	50A	1.15V	-65°C to +150°C	.53	.37	.25	5000	.077
621-S2GA-F	S2GA-F	SMA	1.5A	400V	50A	1.15V	-65°C to +150°C	.53	.37	.25	5000	.077
621-S2JA-F	S2JA-F	SMA	1.5A	600V	50A	1.15V	-65°C to +150°C	.46	.35	.24	5000	.086
621-S2MA-F	S2MA-F	SMA	1.5A	1000V	50A	1.15V	-65°C to +150°C	.46	.35	.24	5000	.086
621-S2A-F	S2A-F	SMB	1.5A	50V	30A	1.5V	-65°C to +150°C	.48	.34	.17	3000	.068
621-S2B-F	S2B-F	SMB	1.5A	100V	30A	1.5V	-65°C to +150°C	.53	.37	.17	3000	.072
621-S2D-F	S2D-F	SMB	1.5A	200V	30A	1.5V	-65°C to +150°C	.53	.37	.17	3000	.072
621-S2G-F	S2G-F	SMB	1.5A	400V	30A	1.5V	-65°C to +150°C	.42	.30	.18	3000	.061
621-S2J-F	S2J-F	SMB	1.5A	600V	30A	1.5V	-65°C to +150°C	.53	.37	.24	3000	.08
621-S2K-F	S2K-F	SMB	1.5A	800V	30A	1.5V	-65°C to +150°C	.42	.30	.127	3000	.074
621-S2M-F	S2M-F	SMB	1.5A	1000V	30A	1.5V	-65°C to +150°C	.42	.30	.127	3000	.074
621-S3AB-F	S3AB-F	SMB	3A	50V	100A	1.15V	-65°C to +150°C	.57	.42	.26	3000	.159
621-S3BB-F	S3BB-F	SMB	3A	100V	100A	1.15V	-65°C to +150°C	.55	.44	.33	3000	.159
621-S3DB-F	S3DB-F	SMB	3A	200V	100A	1.15V	-65°C to +150°C	.57	.42	.26	3000	.159
621-S3JB-F	S3JB-F	SMB	3A	600V	100A	1.15V	-65°C to +150°C	.58	.456	.26	3000	.208
621-S3KB-F	S3KB-F	SMB	3A	800V	100A	1.15V	-65°C to +150°C	.58	.456	.26	3000	.208
621-S3MB-F	S3MB-F	SMB	3A	1000V	100A	1.15V	-65°C to +150°C	.58	.456	.26	3000	.208
621-S3A-F	S3A-F	SMC	3A	50V	100A	1.15V	-65°C to +150°C	.58	.42	.26	3000	.171
621-S3B-F	S3B-F	SMC	3A	100V	100A	1.15V	-65°C to +150°C	.58	.42	.26	3000	.171
621-S3D-F	S3D-F	SMC	3A	200V	100A	1.15V	-65°C to +150°C	.44	.342	.195	3000	.171
621-S3G-F	S3G-F	SMC	3A	400V	100A	1.15V	-65°C to +150°C	.44	.342	.195	3000	.171
621-S3J-F	S3J-13-F	SMC	3A	600V	100A	1.15V	-65°C to +150°C	.44	.342	.234	3000	.22
621-S3K-F	S3K-13-F	SMC	3A	800V	100A	1.15V	-65°C to +150°C	.44	.342	.234	3000	.22
621-S3M-F	S3M-13-F	SMC	3A	1000V	100A	1.15V	-65°C to +150°C	.58	.456	.26	3000	.22
621-S5AC-F	S5AC-13-F	SMC	5A	50V	100A	1.15V	-65°C to +150°C	.58	.456	.26	3000	.196
621-S5BC-F	S5BC-13-F	SMC	5A	100V	100A	1.15V	-65°C to +150°C	.58	.456	.26	3000	.208
621-S5DC-F	S5DC-13-F	SMC	5A	200V	100A	1.15V	-65°C to +150°C	.55	.44	.285	3000	.22
621-S5GC-F	S5GC-13-F	SMC	5A	400V	100A	1.15V	-65°C to +150°C	.58	.456	.26	3000	.244
621-S5JC-F	S5JC-13-F	SMC	5A	600V	100A	1.15V	-65°C to +150°C	.66	.528	.342	3000	.257
621-S5MC-F	S5MC-13-F	SMC	5A	1000V	100A	1.15V	-65°C to +150°C	.66	.528	.342	3000	.305
621-PDR5K-13	PDR5K-13	PowerDI-5	5A	750V	160A	.99V	-65°C to +175°C	.99	.85	.675	5000	.304

## SCHOTTKY BARRIER RECTIFIERS

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current	V <sub>RRM</sub> (Max.)	I <sub>FSM</sub>	Forward Voltage Drop		Price Each			Reel Quantity	Price Per Piece
						V <sub>F</sub>	@ I <sub>F</sub>	1	10	100		
621-B0520LW-F	B0520LW-13-F	SOD-123	.5A	20V	5.5A	.385V	.5A	.48	.34	.204	3000	.122
621-B0530WS-F	B0530WS-7	SOD-323	.5A	30V	2A	.45V	.5A	.48	.33	.225	3000	.147
621-B0530W-F	B0530W-13-F	SOD-123	.5A	30V	5.5A	.43V	.5A	.48	.34	.204	3000	.122
621-B0540W-F	B0540W-13-F	SOD-123	.5A	40V	5.5A	.51V	.5A	.48	.34	.204	3000	.122
621-DFLS120L	DFLS120L-7	PowerDI™123	1A	20V	22A	.36V	1A	.55	.44	.33	3000	.155
621-1N5817	1N5817-T	DO-41	1A	20V	25A	.75V	3A	.44	.34	.234	5000	.087
621-B120-F	B120-13-F	SMA	1A	20V	30A	.5V	1A	.53	.38	.228	5000	.135
621-B120B-F	B120B-13-F	SMB	1A	20V	30A	.5V	1A	.44	.342	.234	3000	.153
621-PD3S120L-7	PD3S120L-7	PowerDI™323	1A	20V	33A	.42V	1A	.66	.52	.342	3000	.185
621-B130LAW-F	B130LAW-13-F	SOD-123	1A	30V	12A	.42V	1A	.66	.528	.396	3000	.186
621-DFLS130	DFLS130-7	PowerDI™123	1A	30V	22A	.42V	1A	.55	.44	.285	3000	.155
621-1N5818	1N5818-T	DO-41	1A	30V	25A	.875V	3A	.44	.34	.234	5000	.087
621-B130L-F	B130L-13-F	SMA	1A	30V	25A	.41V	1A	.51	.399	.273	5000	.165