

T-05-01

SCHOTTKY RECTIFIERS

| Type | Package | V _{rrm} (Volts) | I _o (Amps) | I _{fsm} (Amps) | V _f (Volts) | Operating and Storage Temp. Range |
|--------|---------|-----------------------------|--------------------------|----------------------------|---------------------------|--------------------------------------|
| 1N5817 | DO-41 | 20 | 1.0 | 25 | .45 @ 1a | -65°C to +125°C |
| 1N5818 | DO-41 | 30 | 1.0 | 25 | 0.55 | |
| 1N5819 | DO-41 | 40 | 1.0 | 25 | 0.60 | |
| SR120 | DO-41 | 20 | 1.0 | 40 | 0.50 | |
| SR130 | DO-41 | 30 | 1.0 | 40 | 0.50 | |
| SR140 | DO-41 | 40 | 1.0 | 40 | 0.50 | |
| SR150 | DO-41 | 50 | 1.0 | 40 | 0.70 | |
| SR160 | DO-41 | 60 | 1.0 | 40 | 0.70 | |
| SR180 | DO-41 | 80 | 1.0 | 40 | 0.70 | |
| 1N5820 | DO201AD | 20 | 3.0 | 80 | .475 @ 3a | |
| 1N5821 | DO201AD | 30 | 3.0 | 80 | 0.500 | |
| 1N5822 | DO201AD | 40 | 3.0 | 80 | 0.525 | |
| SR320 | DO201AD | 20 | 3.0 | 150 | 0.50 | |
| SR330 | DO201AD | 30 | 3.0 | 150 | 0.50 | |
| SR340 | DO201AD | 40 | 3.0 | 150 | 0.50 | |
| SR350 | DO201AD | 50 | 3.0 | 150 | 0.75 | |
| SR360 | DO201AD | 60 | 3.0 | 150 | 0.75 | |
| SR380 | DO201AD | 80 | 3.0 | 150 | 0.75 | |
| SR520 | DO201AD | 20 | 5.0 | 250 | .60 @ 6a | -65°C to +150°C |
| SR530 | DO201AD | 30 | 5.0 | 250 | 0.60 | |
| SR540 | DO201AD | 40 | 5.0 | 250 | 0.60 | |
| SR550 | DO201AD | 50 | 5.0 | 250 | 0.70 | |
| SR580 | DO201AD | 60 | 5.0 | 250 | 0.70 | |
| SR590 | DO201AD | 80 | 5.0 | 250 | 0.70 | |

SILICON RECTIFIER DIODES

| V _f (Volts) | 1 Amp Standard Recovery | 1 Amp Fast Recovery | 1.5 Amp Standard Recovery | 1.5 Amp Fast Recovery | 3 Amp Standard Recovery | 3 Amp Fast Recovery | 6 Amp Standard Recovery |
|---|-------------------------------|---------------------------|---------------------------------|-----------------------------|-------------------------------|---------------------------|-------------------------------|
| 50 | 1N4001 | 1N4933 | 1N5391 | 1.5R05R | 1N5400 1N4139 | 3R050R | 6R050 |
| 100 | 1N4002 | 1N4934 | 1N5392 | 1.5R100R | 1N5401 1N4140 | 3R100R | 6R100 |
| 200 | 1N4003 1N4245 1N4383 | 1N4935 1N4942 | 1N5393 | 1.5R200R | 1N5402 1N4141 | 3R200R | 6R200 |
| 300 | | | 1N5394 | 1.5R300R | 1N5403 | 3R300R | 6R300 |
| 400 | 1N4004 1N4246 1N4384 | 1N4936 1N4944 | 1N5395 | 1.5R400R | 1N5404 1N4142 | 3R400R | 6R400 |
| 500 | | | 1N5396 | 1.5R500R | 1N5405 | 3R500R | 6R500 |
| 600 | 1N4005 1N4247 1N4385 | 1N4937 1N4946 | 1N5397 | 1.5R600R | 1N5406 1N4143 | 3R600R | 6R600 |
| 800 | 1N4006 | 1N4947 | 1N5398 | 1.5R800R | 1N5407 1N4144 | 3R800R | 6R800 |
| 1000 | 1N4007 | 1N4948 | 1N5399 | 1.5R1000R | 1N5408 1N4145 | 3R1000R | 6R1000 |
| 1200 | | | | | 1N4146 | | |
| Max Forward Voltage at 25C and Rated Current | 1.1 V | 1.3V | 1.1V | 1.3V | 1.2V | 1.3V | .95V |
| Max One Cycle Surge Current at 100 C | 50 Amps | 50 Amps | 50 Amps | 50 Amps | 200 Amps | 200 Amps | 400 Amps |
| Package | DO-41 | DO-41 | DO-41 | DO-15 | DO201AD | DO201AD | P-600 |

