

## SCHOTTKY RECTIFIERS

T-05-01

| Type   | Package | V <sub>rrm</sub><br>(Volts) | I <sub>o</sub><br>(Amps) | I <sub>fsm</sub><br>(Amps) | V <sub>f</sub><br>(Volts) | Operating and<br>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                  |                                      |
| SR530  | DO201AD | 30                          | 5.0                      | 250                        | 0.60                      |                                      |
| SR540  | DO201AD | 40                          | 5.0                      | 250                        | 0.60                      |                                      |
| SR550  | DO201AD | 50                          | 5.0                      | 250                        | 0.70                      |                                      |
| SR560  | DO201AD | 60                          | 5.0                      | 250                        | 0.70                      |                                      |
| SR580  | DO201AD | 80                          | 5.0                      | 250                        | 0.70                      |                                      |

## SILICON RECTIFIER DIODES

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