

# LEADED (THRU-HOLE) General Purpose Rectifiers, 1 to 8 Amps

GENERAL PURPOSE RECTIFIERS (Including Glass Passivated, use G suffix)

Operating Temperature: -65°C to 125°C

| RF Part Number | Cross Reference | Max Avg. Rectified Current | Peak Inverse Voltage | Peak Fwd Surge Current @ 8.3ms Superimposed | Max Forward Voltage @ 25°C @ Rated $I_o$ | Max Reverse Current @ 25°C @ Rated PIV | Package   | Outline (Max in inches) |
|----------------|-----------------|----------------------------|----------------------|---------------------------------------------|------------------------------------------|----------------------------------------|-----------|-------------------------|
|                |                 | $I_o$ (A)                  | PIV (V)              | $I_{FSM}$ (A)                               | $V_{FM}$ (V)                             | $I_R$ (A)                              | Bulk/Reel |                         |
| 1A1            |                 | 1.0 A                      | 50                   | 25                                          | 1.1                                      | 5.0                                    | 1000/5000 |                         |
| 1A2            |                 | 1.0 A                      | 100                  | 25                                          | 1.1                                      | 5.0                                    | 1000/5000 |                         |
| 1A3            |                 | 1.0 A                      | 200                  | 25                                          | 1.1                                      | 5.0                                    | 1000/5000 |                         |
| 1A4            |                 | 1.0 A                      | 400                  | 25                                          | 1.1                                      | 5.0                                    | 1000/5000 |                         |
| 1A5            |                 | 1.0 A                      | 600                  | 25                                          | 1.1                                      | 5.0                                    | 1000/5000 |                         |
| 1A6            |                 | 1.0 A                      | 800                  | 25                                          | 1.1                                      | 5.0                                    | 1000/5000 |                         |
| 1A7            |                 | 1.0 A                      | 1000                 | 25                                          | 1.1                                      | 5.0                                    | 1000/5000 |                         |
| 1N4001S        | RL101           | 1.0 A                      | 50                   | 30                                          | 1.0                                      | 5.0                                    | 1000/5000 |                         |
| 1N4002S        | RL102           | 1.0 A                      | 100                  | 30                                          | 1.0                                      | 5.0                                    | 1000/5000 |                         |
| 1N4003S        | RL103           | 1.0 A                      | 200                  | 30                                          | 1.0                                      | 5.0                                    | 1000/5000 |                         |
| 1N4004S        | RL104           | 1.0 A                      | 400                  | 30                                          | 1.0                                      | 5.0                                    | 1000/5000 |                         |
| 1N4005S        | RL105           | 1.0 A                      | 600                  | 30                                          | 1.0                                      | 5.0                                    | 1000/5000 |                         |
| 1N4006S        | RL106           | 1.0 A                      | 800                  | 30                                          | 1.0                                      | 5.0                                    | 1000/5000 |                         |
| 1N4007S        | RL107           | 1.0 A                      | 1000                 | 30                                          | 1.0                                      | 5.0                                    | 1000/5000 |                         |
| 1N4001         |                 | 1.0 A                      | 50                   | 30                                          | 1.1                                      | 5.0                                    | 1000/5000 |                         |
| 1N4002         |                 | 1.0 A                      | 100                  | 30                                          | 1.1                                      | 5.0                                    | 1000/5000 |                         |
| 1N4003         |                 | 1.0 A                      | 200                  | 30                                          | 1.1                                      | 5.0                                    | 1000/5000 |                         |
| 1N4004         |                 | 1.0 A                      | 400                  | 30                                          | 1.1                                      | 5.0                                    | 1000/5000 |                         |
| 1N4005         |                 | 1.0 A                      | 600                  | 30                                          | 1.1                                      | 5.0                                    | 1000/5000 |                         |
| 1N4006         |                 | 1.0 A                      | 800                  | 30                                          | 1.1                                      | 5.0                                    | 1000/5000 |                         |
| 1N4007         |                 | 1.0 A                      | 1000                 | 30                                          | 1.1                                      | 5.0                                    | 1000/5000 |                         |
| 1N5391         | RL151           | 1.5 A                      | 50                   | 50                                          | 1.0                                      | 5.0                                    | 500/4000  |                         |
| 1N5392         | RL152           | 1.5 A                      | 100                  | 50                                          | 1.0                                      | 5.0                                    | 500/4000  |                         |
| 1N5393         | RL153           | 1.5 A                      | 200                  | 50                                          | 1.0                                      | 5.0                                    | 500/4000  |                         |
| 1N5395         | RL154           | 1.5 A                      | 400                  | 50                                          | 1.0                                      | 5.0                                    | 500/4000  |                         |
| 1N5397         | RL155           | 1.5 A                      | 600                  | 50                                          | 1.0                                      | 5.0                                    | 500/4000  |                         |
| 1N5398         | RL156           | 1.5 A                      | 800                  | 50                                          | 1.0                                      | 5.0                                    | 500/4000  |                         |
| 1N5399         | RL157           | 1.5 A                      | 1000                 | 50                                          | 1.0                                      | 5.0                                    | 500/4000  |                         |
| 2A01           |                 | 2.0 A                      | 50                   | 60                                          | 1.0                                      | 5.0                                    | 500/4000  |                         |
| 2A02           |                 | 2.0 A                      | 100                  | 60                                          | 1.0                                      | 5.0                                    | 500/4000  |                         |
| 2A03           |                 | 2.0 A                      | 200                  | 60                                          | 1.0                                      | 5.0                                    | 500/4000  |                         |
| 2A04           |                 | 2.0 A                      | 400                  | 60                                          | 1.0                                      | 5.0                                    | 500/4000  |                         |
| 2A05           |                 | 2.0 A                      | 600                  | 60                                          | 1.0                                      | 5.0                                    | 500/4000  |                         |
| 2A06           |                 | 2.0 A                      | 800                  | 60                                          | 1.0                                      | 5.0                                    | 500/4000  |                         |
| 2A07           |                 | 2.0 A                      | 1000                 | 60                                          | 1.0                                      | 5.0                                    | 500/4000  |                         |
| 1N5400         | P300A           | 3.0 A                      | 50                   | 200                                         | 1.0                                      | 5.0                                    | 500/1250  |                         |
| 1N5401         | P300B           | 3.0 A                      | 100                  | 200                                         | 1.0                                      | 5.0                                    | 500/1250  |                         |
| 1N5402         | P300D           | 3.0 A                      | 200                  | 200                                         | 1.0                                      | 5.0                                    | 500/1250  |                         |
| 1N5404         | P300G           | 3.0 A                      | 400                  | 200                                         | 1.0                                      | 5.0                                    | 500/1250  |                         |
| 1N5406         | P300J           | 3.0 A                      | 600                  | 200                                         | 1.0                                      | 5.0                                    | 500/1250  |                         |
| 1N5407         | P300K           | 3.0 A                      | 800                  | 200                                         | 1.0                                      | 5.0                                    | 500/1250  |                         |
| 1N5408         | P300M           | 3.0 A                      | 1000                 | 200                                         | 1.0                                      | 5.0                                    | 500/1250  |                         |
| 6A05S          |                 | 6.0 A                      | 50                   | 250                                         | 0.9                                      | 5.0                                    | 400/500   |                         |
| 6A10S          |                 | 6.0 A                      | 100                  | 250                                         | 0.9                                      | 5.0                                    | 400/500   |                         |
| 6A20S          |                 | 6.0 A                      | 200                  | 250                                         | 0.9                                      | 5.0                                    | 400/500   |                         |
| 6A40S          |                 | 6.0 A                      | 400                  | 250                                         | 0.9                                      | 5.0                                    | 400/500   |                         |
| 6A60S          |                 | 6.0 A                      | 600                  | 250                                         | 0.9                                      | 5.0                                    | 400/500   |                         |
| 6A80S          |                 | 6.0 A                      | 800                  | 250                                         | 0.9                                      | 5.0                                    | 400/500   |                         |
| 6A100S         |                 | 6.0 A                      | 1000                 | 250                                         | 0.9                                      | 5.0                                    | 400/500   |                         |
| 6A05           |                 | 6.0 A                      | 50                   | 400                                         | 0.9                                      | 5.0                                    | 200/500   |                         |
| 6A10           |                 | 6.0 A                      | 100                  | 400                                         | 0.9                                      | 5.0                                    | 200/500   |                         |
| 6A20           |                 | 6.0 A                      | 200                  | 400                                         | 0.9                                      | 5.0                                    | 200/500   |                         |
| 6A40           |                 | 6.0 A                      | 400                  | 400                                         | 0.9                                      | 5.0                                    | 200/500   |                         |
| 6A60           |                 | 6.0 A                      | 600                  | 400                                         | 0.9                                      | 5.0                                    | 200/500   |                         |
| 6A80           |                 | 6.0 A                      | 800                  | 400                                         | 0.9                                      | 5.0                                    | 200/500   |                         |
| 6A100          |                 | 6.0 A                      | 1000                 | 400                                         | 0.9                                      | 5.0                                    | 200/500   |                         |
| 8A05           |                 | 8.0 A                      | 50                   | 400                                         | 1.0                                      | 5.0                                    | 200/500   |                         |
| 8A10           |                 | 8.0 A                      | 100                  | 400                                         | 1.0                                      | 5.0                                    | 200/500   |                         |
| 8A20           |                 | 8.0 A                      | 200                  | 400                                         | 1.0                                      | 5.0                                    | 200/500   |                         |
| 8A40           |                 | 8.0 A                      | 400                  | 400                                         | 1.0                                      | 5.0                                    | 200/500   |                         |
| 8A60           |                 | 8.0 A                      | 600                  | 400                                         | 1.0                                      | 5.0                                    | 200/500   |                         |
| 8A80           |                 | 8.0 A                      | 800                  | 400                                         | 1.0                                      | 5.0                                    | 200/500   |                         |
| 8A100          |                 | 8.0 A                      | 1000                 | 400                                         | 1.0                                      | 5.0                                    | 200/500   |                         |