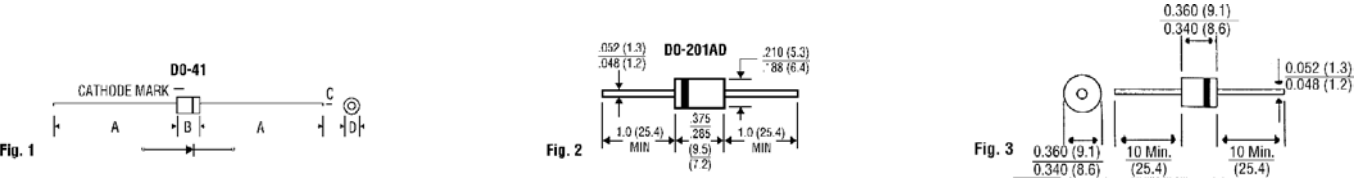


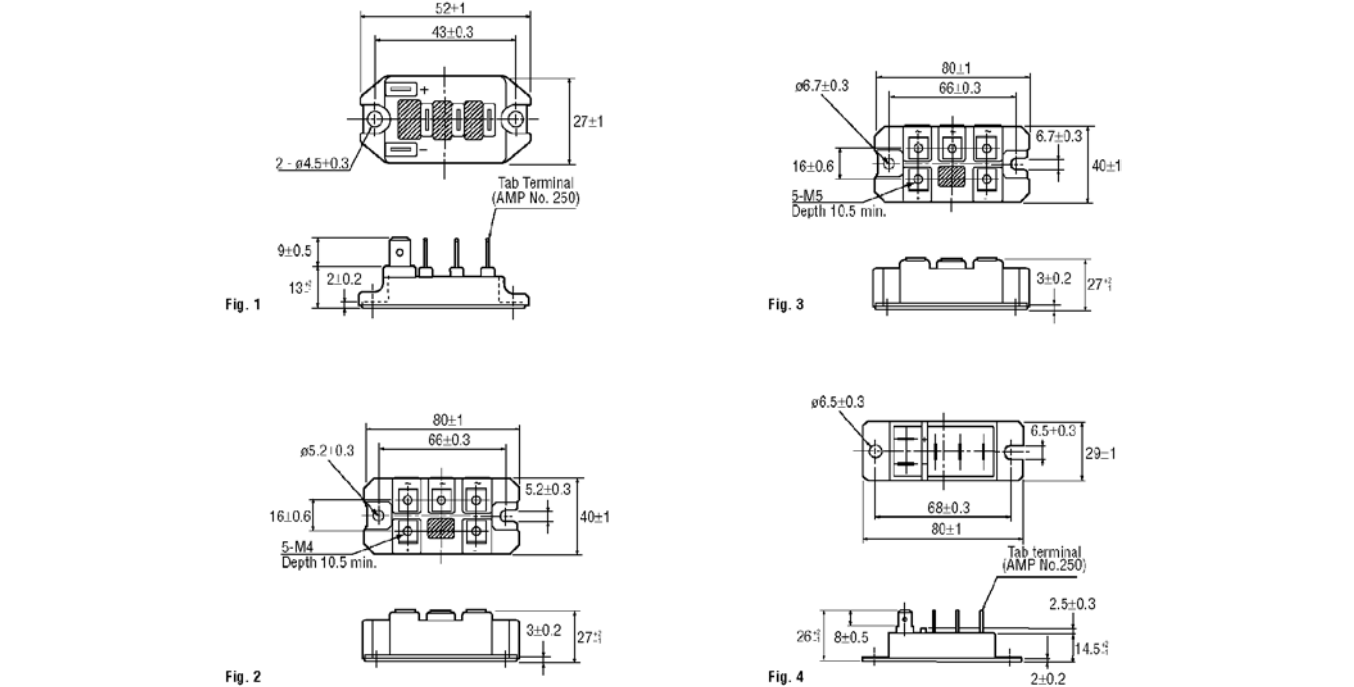
1, 3 and 6 Amp Silicon Rectifiers



| Mfr.'s Type* | Fig. | V _{RM} V _{RRM} V _{VRM} | V _R (RMS) | I _O | I _{RRM} |
|--------------|------|---|-------------------------|----------------|------------------|
| 1N4001 | 1 | 50 V | 35 V | 1.0 A | 30 A |
| 1N4002 | 1 | 100 V | 70 V | 1.0 A | 30 A |
| 1N4003 | 1 | 200 V | 140 V | 1.0 A | 30 A |
| 1N4004 | 1 | 400 V | 280 V | 1.0 A | 30 A |
| 1N4005 | 1 | 600 V | 420 V | 1.0 A | 30 A |
| 1N4006 | 1 | 800 V | 560 V | 1.0 A | 30 A |
| 1N4007 | 1 | 1000 V | 700 V | 1.0 A | 30 A |
| 1N5400 | 2 | 50 V | 35 V | 3.0 A | 200 A |
| 1N5402 | 2 | 200 V | 140 V | 3.0 A | 200 A |
| 1N5404 | 2 | 400 V | 280 V | 3.0 A | 200 A |
| 1N5407 | 2 | 800 V | 560 V | 3.0 A | 200 A |
| 1N5408 | 2 | 1000 V | 700 V | 3.0 A | 200 A |
| PX6A03 | 3 | 200 V | 140 V | 6.0 A | 400 A |
| PX6A04 | 3 | 400 V | 280 V | 6.0 A | 400 A |
| PX6A05 | 3 | 600 V | 420 V | 6.0 A | 400 A |
| PX6A06 | 3 | 800 V | 560 V | 6.0 A | 400 A |
| PX6A07 | 3 | 1000 V | 700 V | 6.0 A | 400 A |

T_JT_{STG} = -65 to +175°C. 3 and 6 amp standard and fast recovery rectifiers also available. *I_F = 0.5 A, I_R = -1.0 A, I_{RM} = -0.25 A. *Figures 1, 2, 3, 4 — Heat sink required to maintain maximum I_O rating.

Standard Recovery — 3 Phase Full Wave Bridge Rectifiers



- Glass Passivated Chip
- Ideal for Inverters, DC Motors and Battery Chargers

| Mfr.'s Type* | Fig. | Ratings and Characteristics | | | | | | |
|--------------|------|-----------------------------|-------------------|-------------------|---------------------------|------------------------|---------------------|---------------------------|
| | | Rated Voltage (V) | Rated Current (A) | Surge Current (A) | Junction Temperature (°C) | Insulation Voltage (V) | Forward Voltage (V) | Thermal Resistance (°C/W) |
| 6RI30E-060 | 1 | 600 | 30 | 360 | 150 | 2000 | 1.10 | 0.80 |
| 6RI50E-060 | 2 | 600 | 50 | 480 | 150 | 2000 | 1.20 | 0.42 |
| 6RI75E-060 | 3 | 600 | 75 | 1000 | 150 | 2000 | 1.15 | 0.30 |
| 6RI100E-060 | 3 | 600 | 100 | 1200 | 150 | 2000 | 1.15 | 0.22 |
| 6RI50E-080 | 2 | 800 | 50 | 480 | 150 | 2000 | 1.20 | 0.42 |
| 6RI75E-080 | 3 | 800 | 75 | 1000 | 150 | 2000 | 1.15 | 0.30 |
| 6RI100E-080 | 3 | 800 | 100 | 1200 | 150 | 2000 | 1.15 | 0.22 |
| 6RI30G-120 | 4 | 1200 | 30 | 320 | 150 | 2500 | 1.30 | 0.80 |
| 6RI75G-120 | 3 | 1200 | 75 | 1000 | 150 | 2500 | 1.30 | 0.30 |
| 6RI100G-120 | 3 | 1200 | 100 | 1200 | 150 | 2500 | 1.25 | 0.22 |
| 6RI30G-160 | 4 | 1600 | 30 | 320 | 150 | 2500 | 1.30 | 0.80 |
| 6RI75G-160 | 3 | 1600 | 75 | 1000 | 150 | 2500 | 1.30 | 0.30 |
| 6RI100G-160 | 3 | 1600 | 100 | 1200 | 150 | 2500 | 1.25 | 0.22 |

Additional circuits and packages also available. *Figures 1, 2, 3, 4 — Heat sink required to maintain maximum I_O rating.