

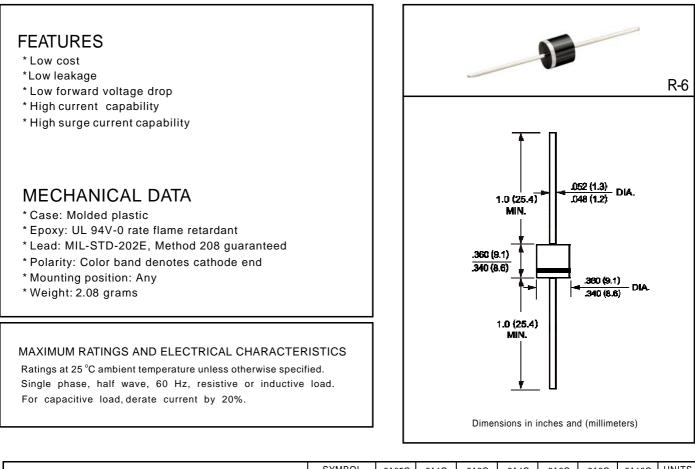
HITANO ENTERPRISE CORP.

6A05G THRU 6A10G

TECHNICAL SPECIFICATIONS OF GLASS PASSIVATED RECTIFIER

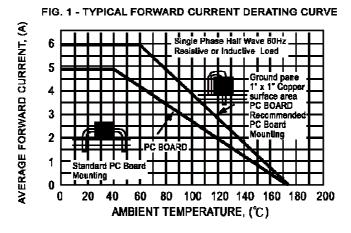
VOLTAGE RANGE - 50 to 1000 Volts

CURRENT - 6.0 Amperes

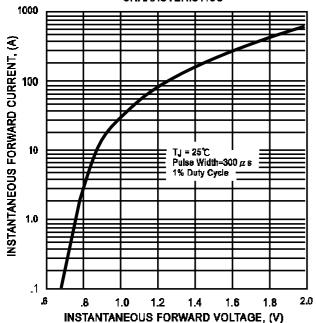


| | | SYMBOL | 6A05G | 6A1G | 6A2G | 6A4G | 6A6G | 6A8G | 6A10G | UNITS |
|--|----------------------|----------|-------|--------------|------|------|------|------|-------|-------|
| Maximum Recurrent Peak Reverse Voltage | | Vrrm | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | Volts |
| Maximum RMS Voltage | | Vrms | 35 | 70 | 140 | 280 | 420 | 560 | 700 | Volts |
| Maximum DC Blocking Voltage | | VDC | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | Volts |
| Maximum Average Forward Rectified Current at TA = 60°C | | lo | 6.0 | | | | | | | Amps |
| Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method) | | IFSM | 400 | | | | | | | Amps |
| Maximum Instantaneous Forward Voltage at 6.0A DC | | VF | 1.1 | | | | | | Volts | |
| Maximum DC Reverse Current at Rated DC Blocking Voltage | $@TA = 25^{\circ}C$ | - | 10 | | | | | | | uAmps |
| | $@TA = 100^{\circ}C$ | | 500 | | | | | | | |
| Maximum Full Load Reverse Current Average Full Cycle .375*(9.5mm) lead length at T L = 75°C | | IR | 50 | | | | | | | uAmps |
| Typical Junction Capacitance (Note) | | CJ | 150 | | | | | | рF | |
| Typical Thermal Resistance | | RθJA | 10 | | | | | | °C/W | |
| Operating and Storage Temperature Range | | TJ, TSTG | | -65 to + 175 | | | | | | ° C |

NOTES : Measured at 1 MHz and applied reverse voltage of 4.0 volts







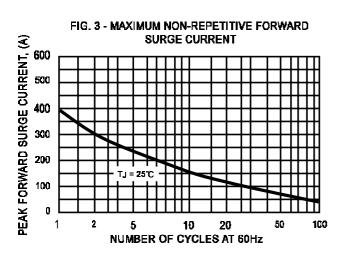


FIG. 3 - TYPICAL REVERSE CHARACTERISTICS

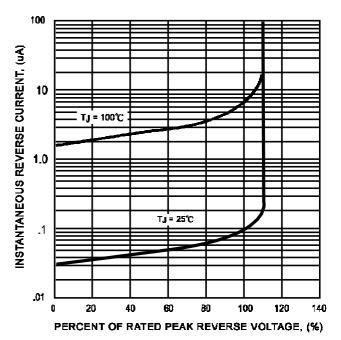


FIG. 5 - TYPICAL THERMAL RESISTANCE VS LEAD LENGTH

