

GLASS PASSIVATED JUNCTION SILICON RECTIFIER

VOLTAGE RANGE 50 to 1000 Volts **CURRENT** 1.0 Ampere

FEATURES

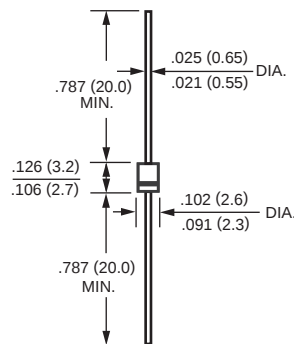
- * High reliability
- * Low leakage
- * Low forward voltage drop
- * High current capability
- * Glass passivated junction

MECHANICAL DATA

- * Case: Molded plastic black body
- * Epoxy: Device has UL flammability classification 94V-O
- * Lead: MIL-STD-202E method 208C guaranteed
- * Mounting position: Any
- * Weight: 0.19 gram



R-1



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

MAXIMUM RATINGS (At T_A = 25°C unless otherwise noted)

[illegible]

ELECTRICAL CHARACTERISTICS (At T_A = 25°C unless otherwise noted)

CHARACTERISTICS		SYMBOL	1A1G	1A2G	1A3G	1A4G	1A5G	1A6G	1A7G	UNITS
Maximum Instantaneous Forward Voltage at 1.0A DC		V _F				1.1				Volts
Maximum DC Reverse Current	@ T _A = 25°C	I _R				50				uAmps
at Rated DC Blocking Voltage	@ T _A = 100°C					50				
Maximum Full Load Reverse Current Full Cycle Average .375" (9.5mm) lead length at T _L = 75°C							30			

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

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RATING AND CHARACTERISTIC CURVES (1A1G THRU 1A7G)

FIG. 1 - TYPICAL FORWARD CURRENT DERATING CURVE

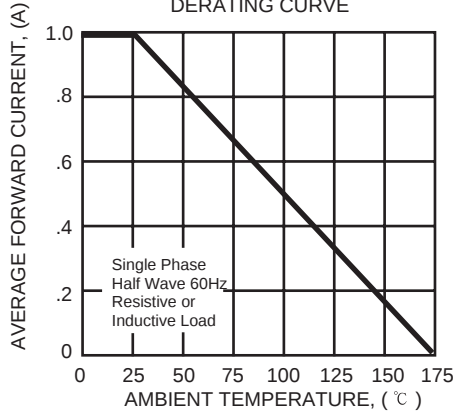


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

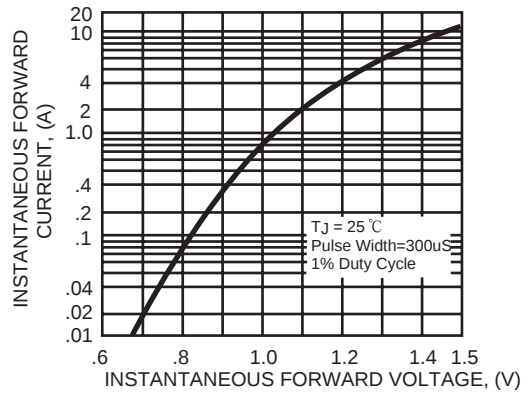


FIG. 3 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

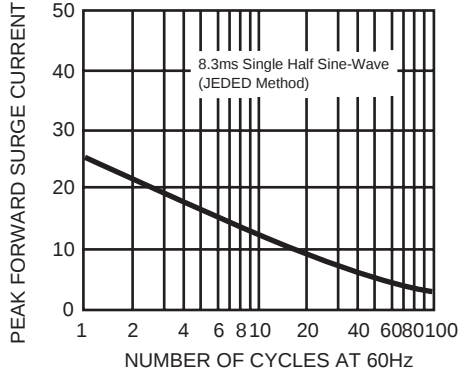


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

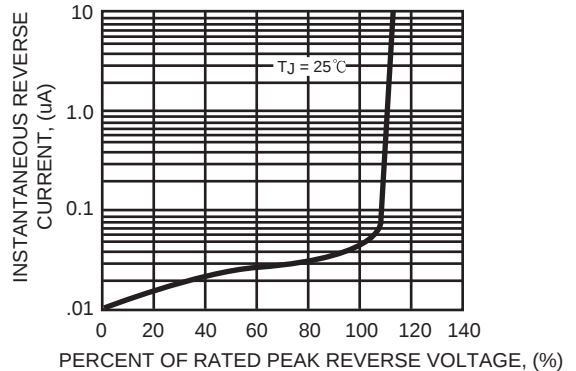
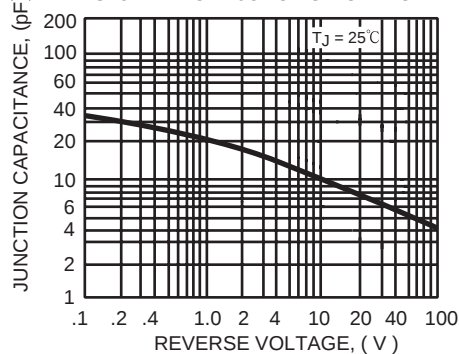


FIG. 5 - TYPICAL JUNCTION CAPACITANCE



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[1A2G-T](#) [1A2G-B](#) [1A1G-T](#) [1A1G-B](#) [1A3G-B](#) [1A3G-T](#) [1A5G-B](#) [1A5G-T](#) [1A7G-T](#) [1A7G-B](#) [1A4G-B](#) [1A4G-T](#) [1A6G-B](#) [1A6G-T](#) [1A1G](#) [1A2G](#) [1A3G](#) [1A4G](#) [1A5G](#) [1A6G](#) [1A7G](#)