

# G6A THRU G6M



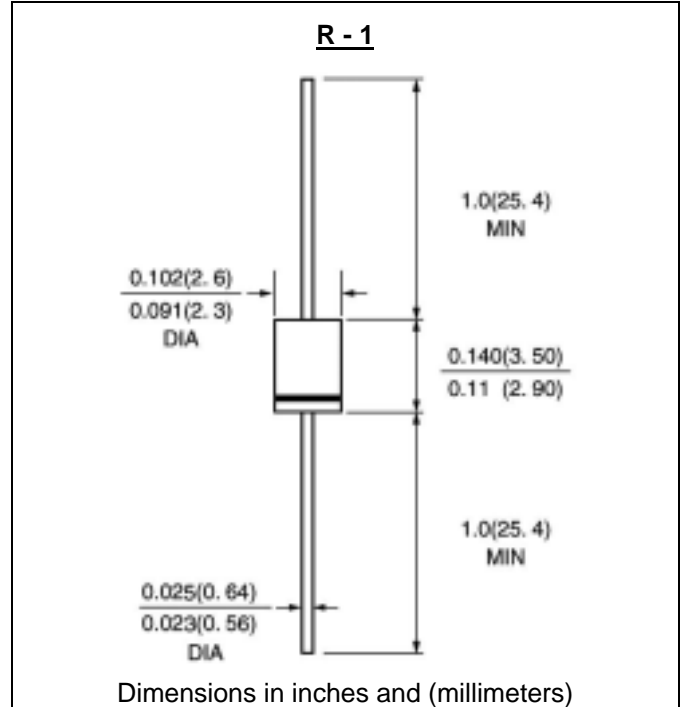
**MINIATURE  
GLASS PASSIVATED RECTIFIER**  
VOLTAGE: 50 TO 1000V      CURRENT: 1.0A

## FEATURE

Molded case feature for auto insertion  
High current capability  
Low leakage current  
High surge capability  
High temperature soldering guaranteed  
250°C /10sec/0.375" lead length at 5 lbs tension  
Glass Passivated chip

## MECHANICAL DATA

Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C  
Case: Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy  
Polarity: color band denotes cathode  
Mounting position: any



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive load, derate current by 20%)

	SYMBOL	G6A	G6B	G6D	G6G	G6J	G6K	G6M	units
Maximum Recurrent Peak Reverse Voltage	V <sub>rrm</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>rms</sub>	35	70	140	280	420	560	700	V
Maximum DC blocking Voltage	V <sub>dc</sub>	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current 3/8" lead length at Ta =75°C	I <sub>f(av)</sub>	1.0							A
Peak Forward Surge Current 8.3ms single Half sine-wave superimposed on rated load	I <sub>fsm</sub>	30.0							A
Maximum Instantaneous Forward Voltage at rated forward current	V <sub>f</sub>	1.1							V
Maximum full load reverse current full cycle at T <sub>L</sub> =75°C	I <sub>r(av)</sub>	30.0							µA
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =100°C	I <sub>r</sub>	5.0							µA
		50.0							µA
Typical Junction Capacitance (Note 1)	C <sub>j</sub>	15.0							pF
Operating Temperature (Note 2)	R(ja)	50.0							°C/W
Storage and Operating Junction Temperature	T <sub>stg</sub> , T <sub>j</sub>	-55 to +150							°C

**Note:**

1. Measured at 1.0 MHz and applied voltage of 4.0Vdc
2. Thermal Resistance from Junction to Ambient at 0.375" lead length, P.C. Board Mounted

# RATINGS AND CHARACTERISTIC CURVES G6A THRU G6M

