

1R5GU4G

**ULTRAFAST EFFICIENT
GLASS PASSIVATED RECTIFIER**
VOLTAGE: 550V CURRENT: 1.5A

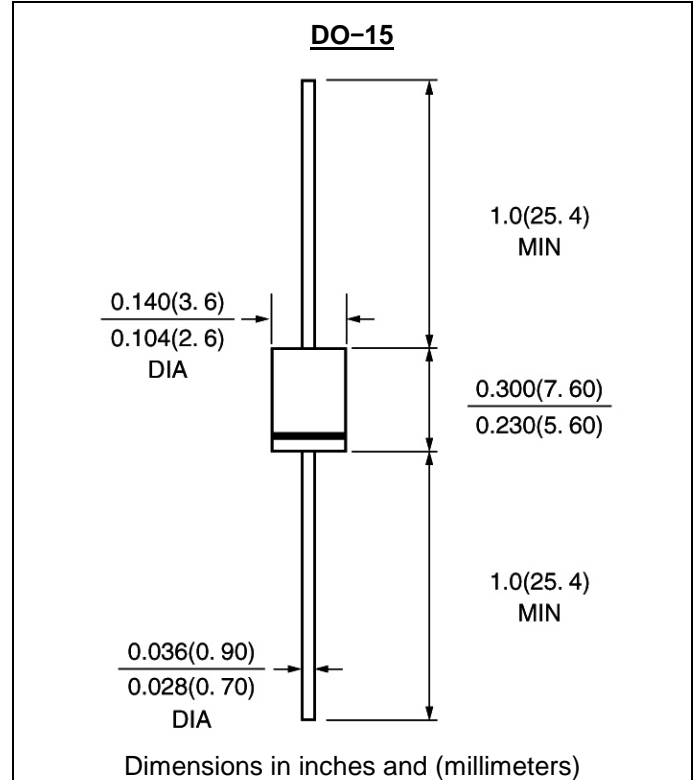


FEATURE

Low power loss
Ultra-fast recovery time for high efficiency
High temperature soldering guaranteed
250°C/10sec/0.375" lead length at 5 lbs tension

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)

	SYMBOL	1R5GU4G	units
Maximum Recurrent Peak Reverse Voltage	V _{rrm}	550	V
Maximum RMS Voltage	V _{rms}	385	V
Maximum DC blocking Voltage	V _{dc}	550	V
Maximum Average Forward Rectified Current 10mmlead length at Ta =35°C	I _{f(av)}	1.5	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	60	A
Maximum Forward Voltage at Forward current 1.5A Peak	V _f	1.2	V
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =125°C	I _r	10.0 100.0	μ A μ A
Maximum Reverse Recovery Time (Note 1)	T _{rr}	50	nS
Typical Thermal Resistance (Note 2)	R(ja)	60.0	°C/W
Storage and Operating Junction Temperature	T _{stg} ,T _j	-50 to +150	°C

Note:

1. Reverse Recovery Condition I_f =0.5A, I_r =1.0A, I_{rr} =0.25A
2. Thermal Resistance from Junction to Ambient at 3/8" lead length, P.C. Board Mounted

RATINGS AND CHARACTERISTIC CURVES 1R5GU4G

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