

1R5GU41

ULTRAFAST EFFICIENT GLASS PASSIVATED RECTIFIER

VOLTAGE: 400V

CURRENT: 1.5A



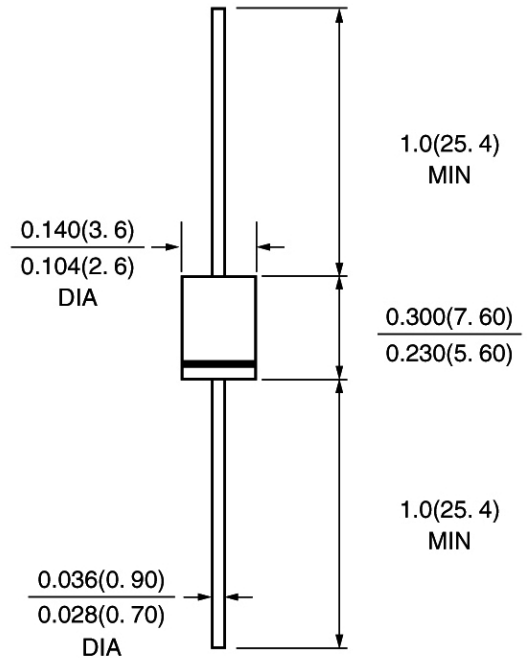
FEATURE

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

DO-15/DO-204AC



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half -wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated)

	SYMBOL	1R5GU41	units
Maximum Recurrent Peak Reverse Voltage	V _{rrm}	400	V
Maximum RMS Voltage	V _{rms}	280	V
Maximum DC blocking Voltage	V _{dc}	400	V
Maximum Average Forward Rectified Current 10mm lead 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	5.0 100.0	µA
Maximum Reverse Recovery Time (Note 1)	T _{rr}	60	nS
Typical Thermal Resistance (Note 2)	R _{th(ja)}	60.0	°C/W
Storage and Operating Junction Temperature	T _{stg} , T _j	-50 to +150	°C

Note:

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

RATINGS AND CHARACTERISTIC CURVES 1R5GU41

