RL3JG

ULTRAFAST EFFICIENT GLASS PASSIVATED RECTIFIER

VOLTAGE： 600V CURRENT： 2.0A

GULF SEMI

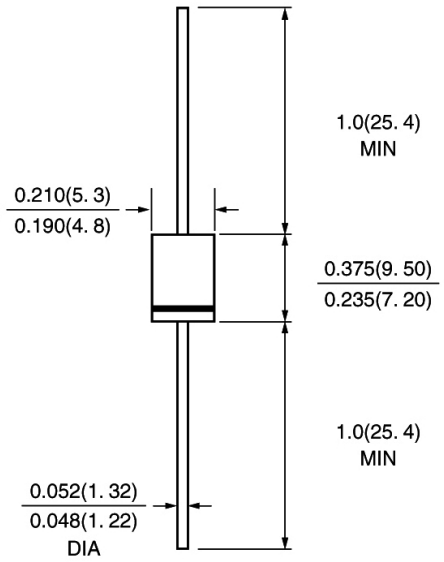
FEATURE

Low power loss
High surge capability
Ultra-fast recovery time for high efficiency
High temperature soldering guaranteed
250℃/10sec/0.375″ lead length at 5 lbs tension

MECHANICAL DATA

Terminal：Plated axial leads solderable per MIL-STD 750, method 2026
Case：Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy
Polarity：color band denotes cathode
Mounting position：any

DO-201AD



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

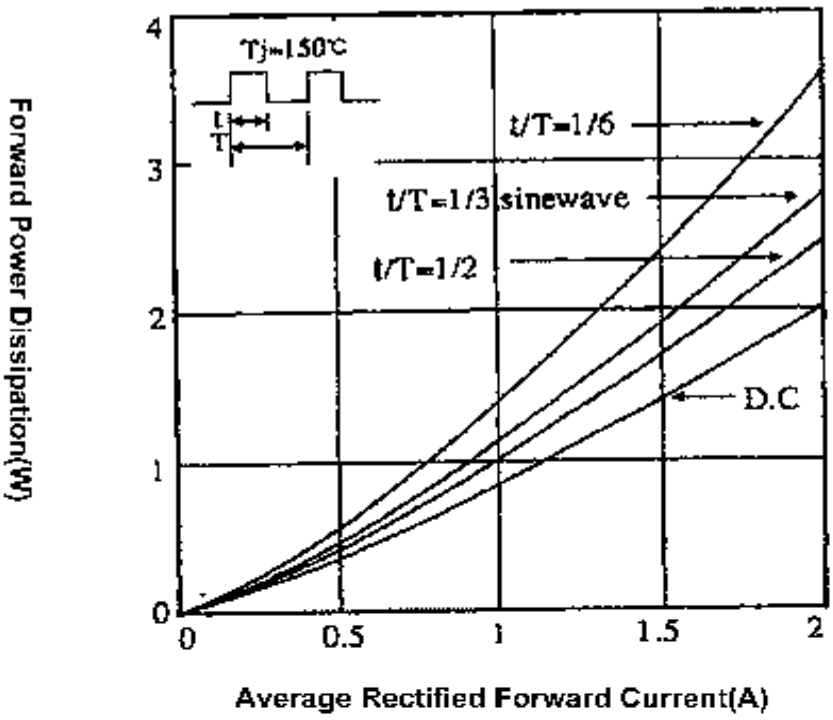
	SYMBOL	RL3JG	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	600	V
Maximum RMS Voltage	Vrms	420	V
Maximum DC blocking Voltage	Vdc	600	V
Maximum Average Forward Rectified Current 3/8″ lead length at Ta =45℃	If(av)	2.0	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	130.0	A
Maximum Forward Voltage at Forward current 2A Peak	Vf	1.5	V
Maximum DC Reverse Current Ta =25℃ at rated DC blocking voltage Ta =125℃	Ir	10.0 100.0	μA μA
Maximum Reverse Recovery Time (Note 1)	Trr	30	nS
Typical Thermal Resistance (Note 2)	R(ja)	10.0	℃/W
Storage and Operating Junction Temperature	Tstg,Tj	-55 to +150	℃

Note：

1. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A
2. Thermal Resistance from Junction to Ambient at 3/8″ lead length, P.C. Board Mounted

[1]

PF(AV) - IF(AV) CHARACTERISTICS



IF(AV) - TL CHARACTERISTICS

