

# RL3JG

**ULTRAFAST EFFICIENT  
GLASS PASSIVATED RECTIFIER**  
VOLTAGE: 600V      CURRENT: 2.0A

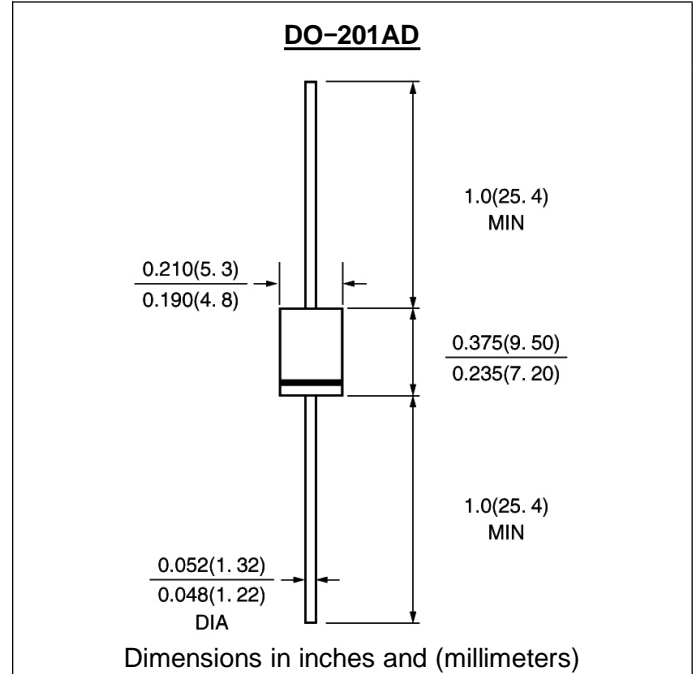


## FEATURE

Low power loss  
High surge capability  
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 750, method 2026  
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

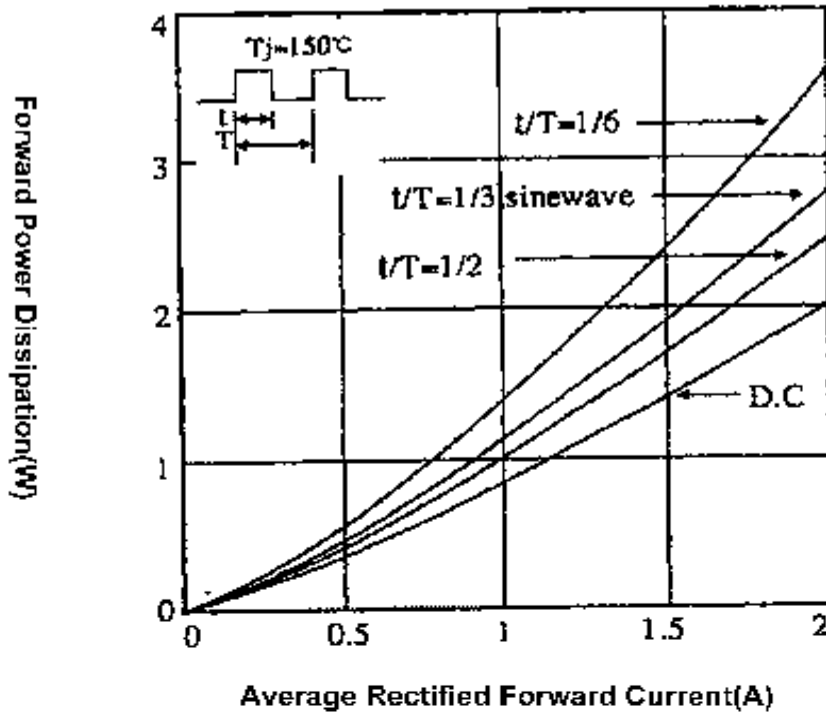
(single-phase, half -wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated)

	SYMBOL	RL3JG	units
Maximum Recurrent Peak Reverse Voltage	V <sub>rrm</sub>	600	V
Maximum RMS Voltage	V <sub>rms</sub>	420	V
Maximum DC blocking Voltage	V <sub>dc</sub>	600	V
Maximum Average Forward Rectified Current 3/8" lead length at Ta =45°C	I <sub>f(av)</sub>	2.0	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I <sub>fsm</sub>	130.0	A
Maximum Forward Voltage at Forward current 2A Peak	V <sub>f</sub>	1.5	V
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =125°C	I <sub>r</sub>	10.0 100.0	μ A μ A
Maximum Reverse Recovery Time (Note 1)	T <sub>rr</sub>	30	nS
Typical Thermal Resistance (Note 2)	R(ja)	10.0	°C/W
Storage and Operating Junction Temperature	T <sub>stg,Tj</sub>	-55 to +150	°C

Note:

1. Reverse Recovery Condition I<sub>f</sub> =0.5A, I<sub>r</sub> =1.0A, I<sub>rr</sub> =0.25A
2. Thermal Resistance from Junction to Ambient at 3/8" lead length, P.C. Board Mounted

PF(AV) - IF(AV) CHARACTERISTICS



IF(AV) - TL CHARACTERISTICS

