

RGPP3A-E THRU RGPP3M-E

**GLASS PASSIVATED
FAST RECOVERY RECTIFIER**
VOLTAGE: 50 TO 1000V CURRENT: 3.0A

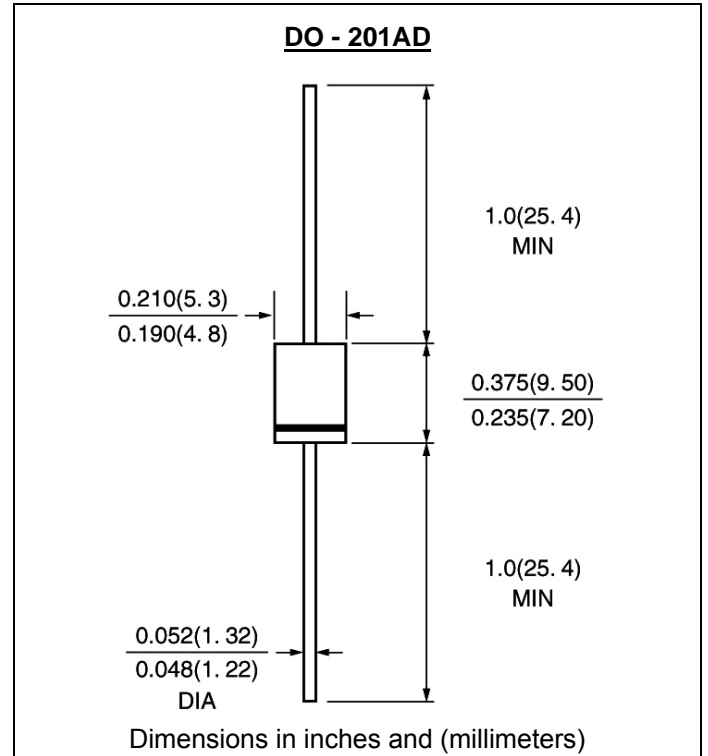


FEATURE

Molded case feature for auto insertion
High Switching 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
Halogen Free

MECHANICAL DATA

Terminal: Plated axial leads solderable per
MIL-STD 202E, method 208C
Case: Molded with UL-94 Class V-0 recognized Halogen
Free 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	RGPP 3A-E	RGPP 3B-E	RGPP 3D-E	RGPP 3G-E	RGPP 3J-E	RGPP 3K-E	RGPP 3M-E	units
Maximum Recurrent Peak Reverse Voltage	V _{rrm}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{rms}	35	70	140	280	420	560	700	V
Maximum DC blocking Voltage	V _{dc}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current 3/8" lead length at T _a =55°C	I _{f(av)}	3.0							A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	125							A
Maximum Instantaneous Forward Voltage at rated forward current	V _f	1.3							V
Maximum full load reverse current full cycle at T _L =75°C	I _{r(av)}	30							μA
Maximum DC Reverse Current T _a =25°C at rated DC blocking voltage T _L =55°C	I _r	5.0 100.0							μA
Typical Junction Capacitance (Note 1)	C _j	50.0							pF
Maximum Reverse Recovery Time (Note 2)	T _{rr}	150			250		500		nS
Storage and Operation Junction Temperature	T _{stg} , T _j	-55 to +150							°C

Note:

1. Measured at 1.0 MHz and applied voltage of 4.0Vdc
2. Test Condition I_f =0.5A, I_r =1.0A, I_{rr} =0.25A

RATINGS AND CHARACTERISTIC CURVES RGPP3A-E THRU RGPP3M-E

