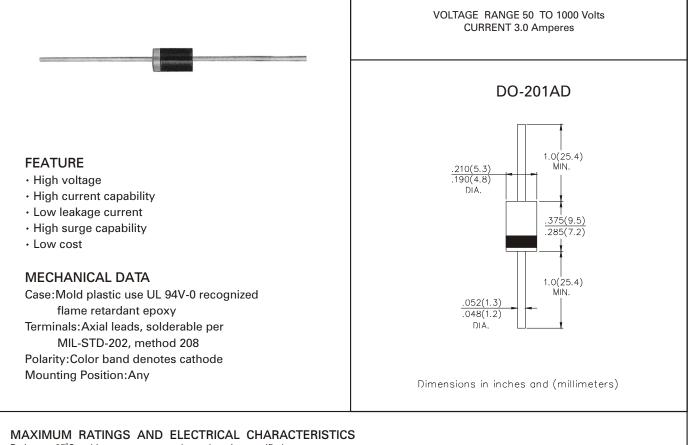
RGPP30 SERIES

GLASS PASSIVATED FAST SWITCHING RECTIFIER





Ratings at 25°C ambient temperature unless otherwise specified. Signle phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

	RGPP30A	RGPP30B	RGPP30D	RGPP30G	RGPP30J	RGPP30K	RGPP30M	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	٧
Maximum RMS Voltage	35	70	140	280	420	560	700	٧
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	٧
Maximum Average Forward Rectified Current, .375", (9.5mm) Lead Length at T _A =55°C	3.0							А
Peak Forward Surge Current 8.3 ms single half sine-wave	150							А
Maximum Forward Voltage at 3.0A Peak	1.2 1.3						٧	
Maximum Reverse Current, Rated DC Full Cycle Average, .375", (9.5mm) Lead Length T _A =55°C	30							μA
Maximum DC Reverse Current, at Rated DC Blocking Voltage	5.0							μA
Maximum Reverse Recovery Time (Note 1)	150	150	150	150	250	500	500	nS
Typical Junction Capacitance (Note 2)	60							pF
Operating and Storage Temperature Range	-65 to +175							°C

Notes : 1. Reverse Recovery Test Conditions : F=.5A, IR=1A, Irr=.25A 2. Measured at 1.0MHz and applied reverse voltage of 4.0 Volts

RGPP30 SERIES

GLASS PASSIVATED FAST SWITCHING RECTIFIER



RATING AND CHARACTERISTICS CURVES **RGPP30 SERIES**

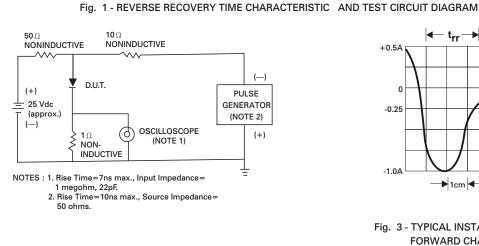


Fig. 2 - FORWARD CURRENT DERATING CURVE

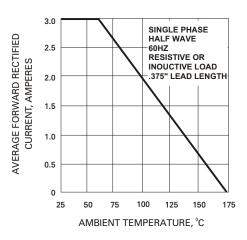
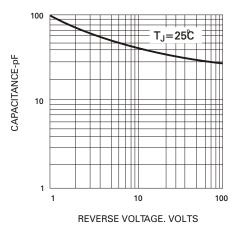


Fig. 4 - TYPICAL JUNCTION CAPACITANCE



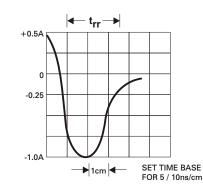
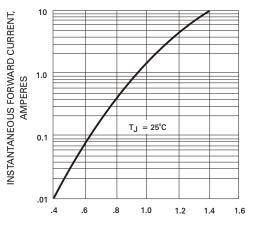


Fig. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS



INSTANTANEOUS FORWARD VOLTAGE, VOLTS

Fig. 5 - PEAK FORWARD SURGE CURRENT

