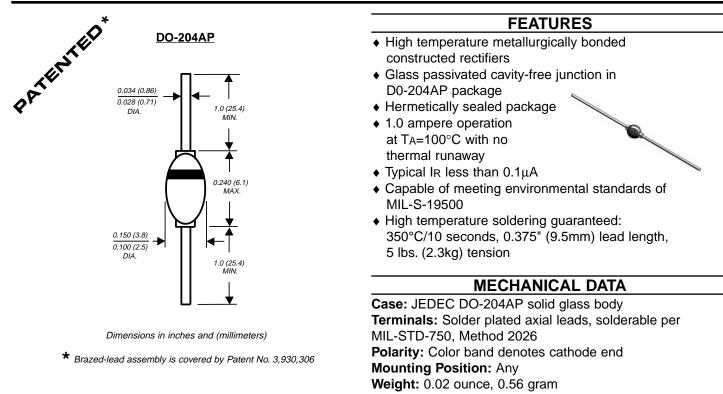
G1A THRU G1M

GLASS PASSIVATED JUNCTION RECTIFIER

Reverse Voltage - 50 to 1000 Volts Forward Current - 1.0 Ampere



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

		SYMBOLS	G1A	G1B	G1D	G1G	G1J	G1K	G1M	UNITS
Maximum repetitive peak reverse voltage		Vrrm	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage		VRMS	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage		VDC	50	70	200	400	600	800	1000	Volts
Maximum average forward rectified current 0.375" (9.5mm) lead length at TA=100°C		I(AV)			•	1.0			•	Amp
eak forward surge current .3ms single half sine-wave superimposed n rated load (JEDEC Method)		IFSM	50.0						Amps	
aximum instantaneous forward voltage at 1.0A		VF	1.2 1.1					Volts		
Maximum full load reverse current, full cycle average 0.375" (9.5mm) lead length at TA=100°C		I _{R(AV)}	200.0					μΑ		
	Та=25°С Та=150°С	IR	2.0 100.0					μΑ		
Typical reverse recovery time (NOTE 1)		trr	1.5						μs	
Typical junction capacitance (NOTE 2)		CJ	15.0						pF	
Typical thermal resistance (NOTE 3)		R⊝JL	55.0						°C/W	
Operating junction and storage temperature range		TJ, TSTG	65 to +175						°C	

NOTES:

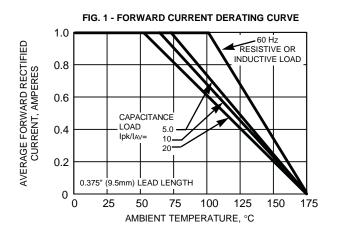
(1) Measured with IF=0.5A, IR=1.0A, Irr=0.25A

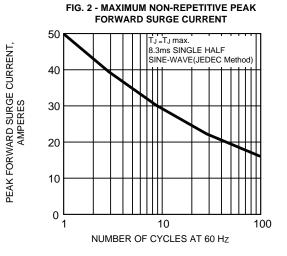
(2) Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts

(3) Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length P.C.B. mounted



RATINGS AND CHARACTERISTIC CURVES G1A AND G1M





FORWARD CHARACTERISTICS 10 INSTANTANEOUS FORWARD CURRENT, AMPERES TJ=150°C 1 TJ=25°C 0.1 PULSE WIDTH=300µs 1% DUTY CYCLE 0.01 1.4 0.4 0.6 0.8 1.0 1.2 1.6 INSTANTANEOUS FORWARD VOLTAGE,

VOLTS

FIG. 3 - TYPICAL INSTANTANEOUS

FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

