



ELECTRICAL CHARACTERISTICS (T _A = 25 °C unless otherwise noted)									
PARAMETER	TEST CONDITIONS	SYMBOL	EGP10A	EGP10B	EGP10C	EGP10D	EGP10F	EGP10G	UNIT
Maximum instantaneous forward voltage	1.0 A	V _F	0.95				1.25		V
Maximum DC reverse current at rated DC blocking voltage	T _A = 25 °C	I _R	5.0						μA
	T _A = 125 °C		100						
Maximum reverse recovery time	I _F = 0.5 A, I _R = 1.0 A, I _{rr} = 0.25 A	t _{rr}	50						ns
Typical junction capacitance	4.0 V, 1 MHz	C _J	22				15		pF

THERMAL CHARACTERISTICS (T _A = 25 °C unless otherwise noted)									
PARAMETER	SYMBOL	EGP10A	EGP10B	EGP10C	EGP10D	EGP10F	EGP10G	UNIT	
Typical thermal resistance	R _{θJA} ⁽¹⁾	50						°C/W	

Note

(1) Thermal resistance from junction to ambient, and from junction to lead at 0.375" (9.5 mm) lead length, PCB mounted

ORDERING INFORMATION (Example)				
PREFERRED P/N	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE
EGP10D-E3/54	0.337	54	5500	13" diameter paper tape and reel
EGP10D-E3/73	0.337	73	3000	Ammo pack packaging

RATINGS AND CHARACTERISTICS CURVES (T_A = 25 °C unless otherwise noted)

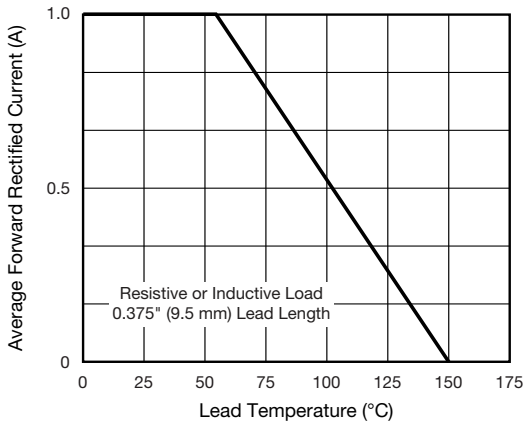


Fig. 1 - Maximum Forward Current Derating Curve

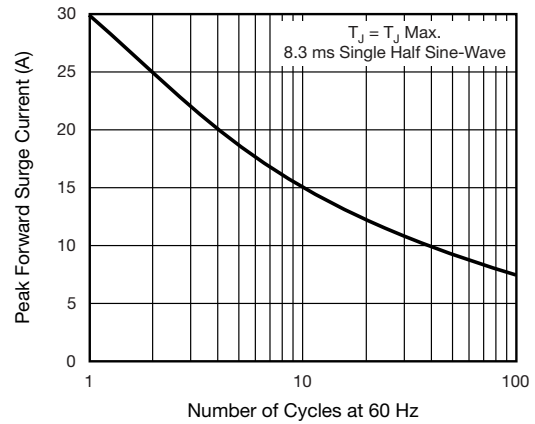


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current

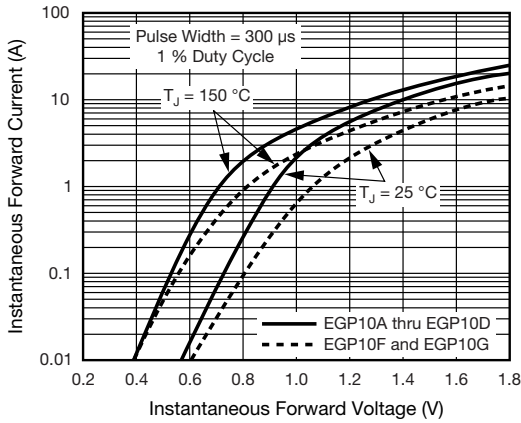


Fig. 3 - Typical Instantaneous Forward Characteristics

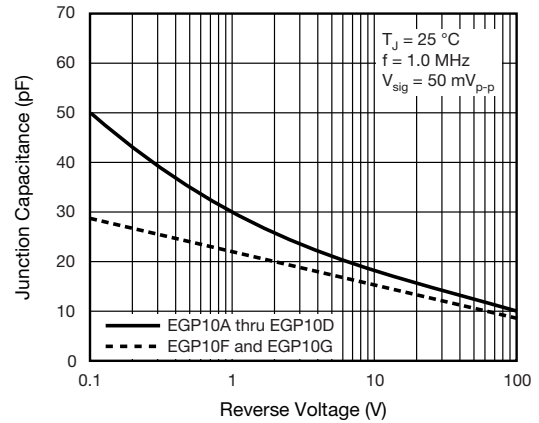


Fig. 5 - Typical Junction Capacitance

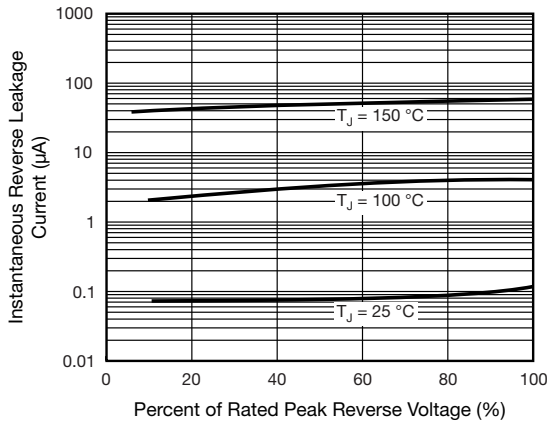


Fig. 4 - Typical Reverse Leakage Characteristics

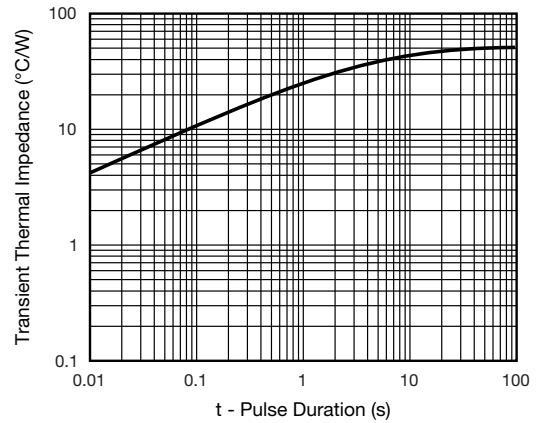
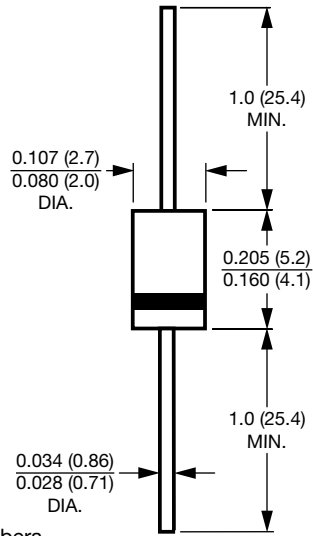


Fig. 6 - Typical Transient Thermal Impedance



PACKAGE OUTLINE DIMENSIONS in inches (millimeters)

DO-41 (DO-204AL)



Note

- Lead diameter is $\frac{0.026 (0.66)}{0.023 (0.58)}$ for suffix "E" part numbers



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