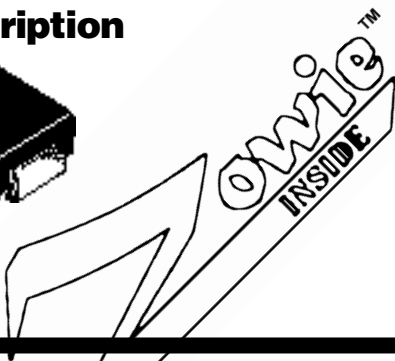




1.5 Amp Glass Passivated Sintered Fast Efficient Rectifiers

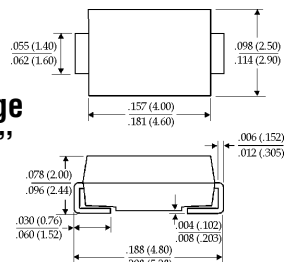
EGFZ15A . . . 15M Series

Description



Mechanical Dimensions

Package "SMA"



Dimensions in inches and (millimeters)

Features

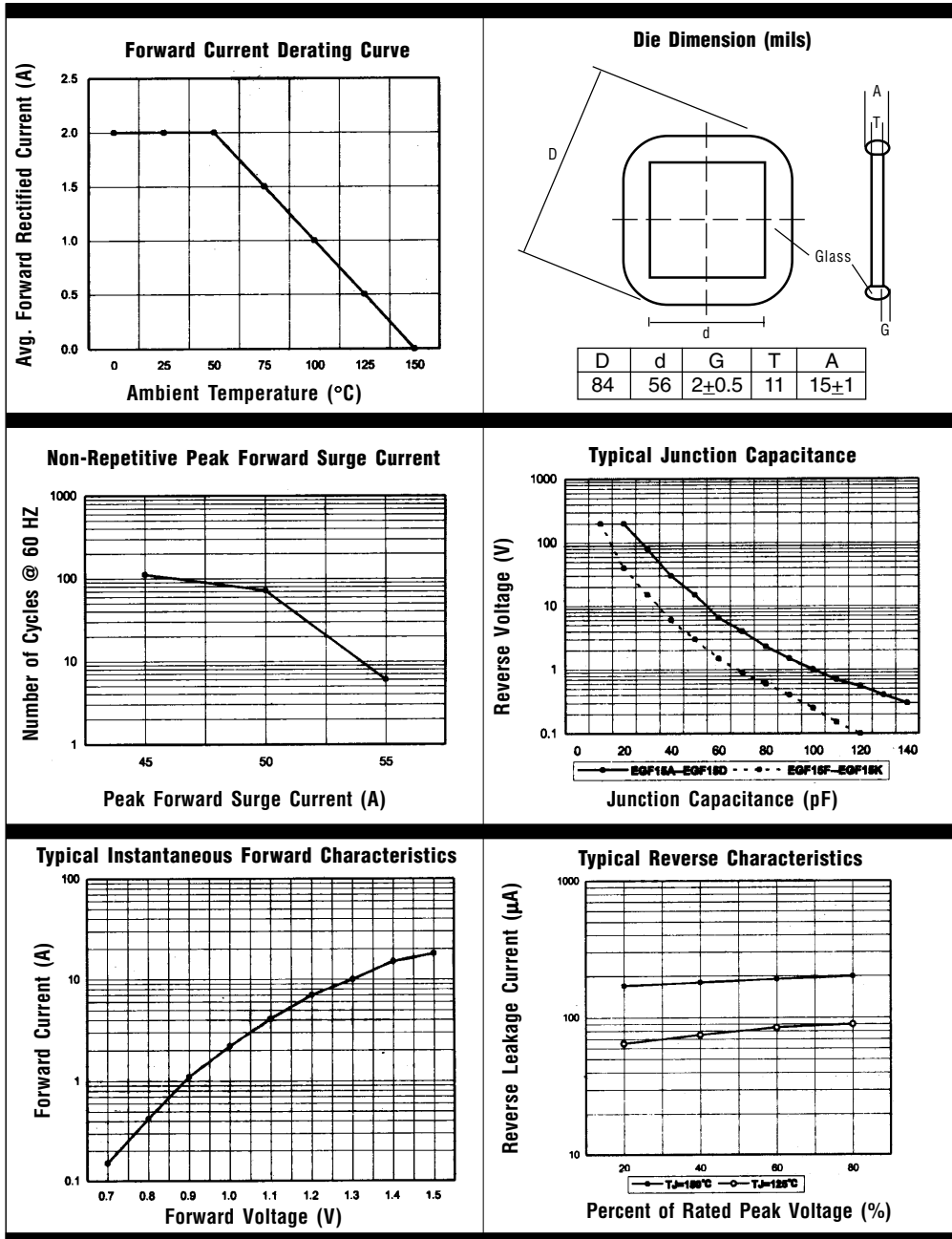
- LOWEST COST FOR GLASS SINTERED FAST EFFICIENT CONSTRUCTION
- LOWEST V_F FOR GLASS SINTERED FAST EFFICIENT CONSTRUCTION
- TYPICAL $I_R < 100$ nAmps
- 1.5 AMP OPERATION @ $T_A = 55^\circ\text{C}$, WITH NO THERMAL RUNAWAY
- SINTERED GLASS CAVITY-FREE JUNCTION

Electrical Characteristics @ 25°C.		EGFZ15A . . . 15M Series							Units
Maximum Ratings		15A	15B	15D	15G	15J	15K	15M	
Peak Repetitive Reverse Voltage...V _{RRM}		50	100	200	400	600	800	1000	Volts
RMS Reverse Voltage...V _{R(rms)}		35	70	140	280	420	560	700	Volts
DC Blocking Voltage...V _{DC}		50	100	200	400	600	800	1000	Volts
Average Forward Rectified Current...I _{F(av)} @ T _L = 55°C (Note 2)						1.5			Amps
Non-Repetitive Peak Forward Surge Current...I _{FSM} 8.3ms, ½ Sine Wave Superimposed on Rated Load						50			Amps
Forward Voltage @ 1.5A...V _F		< 1.0 >		1.3		< 1.7 >		Volts	
DC Reverse Current...I _{R(max)} @ Rated DC Blocking Voltage		T _A = 25°C T _A = 125°C				5.0 100			μAmps
Typical Junction Capacitance...C _J (Note 1)						25			pF
Typical Thermal Resistance...R _{θJA} (Note 2)						45			°C/W
Maximum Reverse Recovery Time...t _{RR} (Note 3)		< 50 >		< 75 >				nS	
Operating & Storage Temperature Range...T _J , T _{STRG}						-65 to 150			°C



1.5 Amp Glass Passivated Sintered Fast Efficient Rectifiers

EGFZ15A ... 15M Series



- NOTES:**
1. Measured @ 1 MHz and applied reverse voltage of 4.0V.
 2. Thermal Resistance from Junction to Ambient at 3/8" Lead Length, P.C. Board Mounted.
 3. Reverse Recovery Condition $I_F = 0.5A$, $I_R = 1.0A$, $I_{RR} = 0.25A$.

Ratings at 25 Deg. C ambient temperature unless otherwise specified.

Single Phase Half Wave, 60 HZ Resistive or Inductive Load.

For Capacitive Load, Derate Current by 20%.