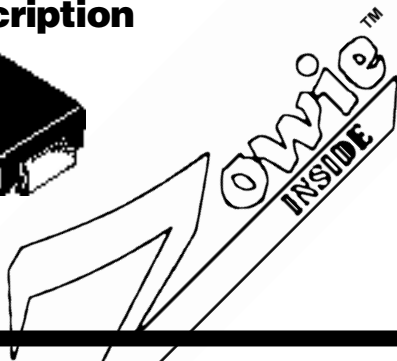




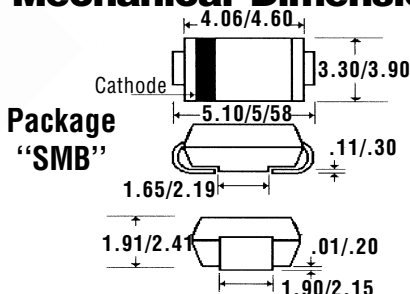
# 2.0 Amp Glass Passivated Sintered Fast Efficient Rectifiers

EGFZ20A . . . 20M Series

## Description



## Mechanical Dimensions



## Features

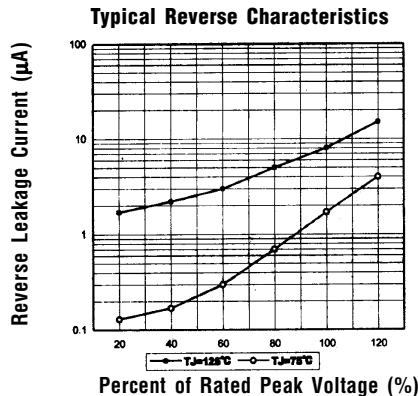
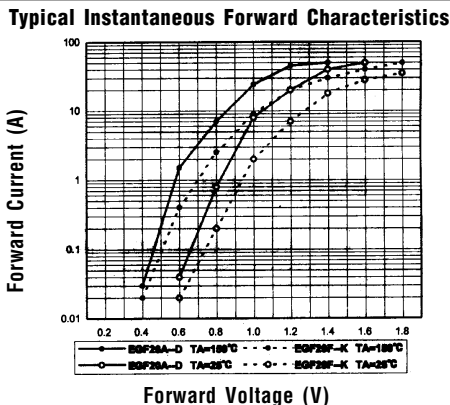
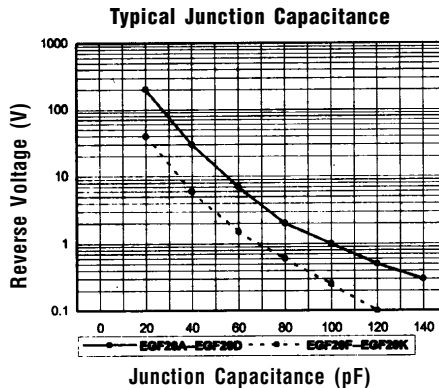
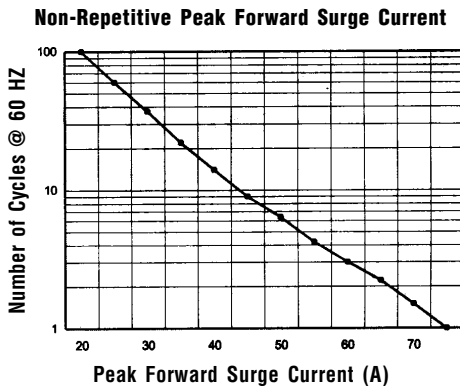
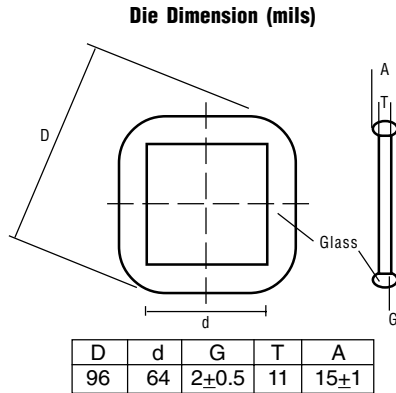
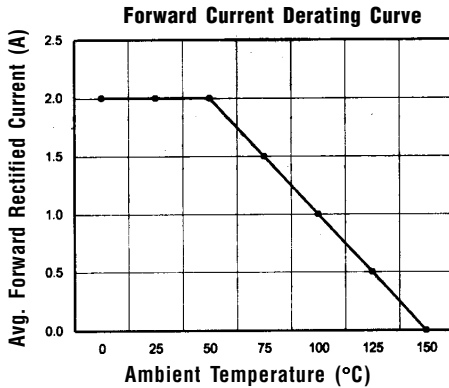
- LOWEST COST FOR GLASS SINTERED FAST EFFICIENT CONSTRUCTION
- LOWEST  $V_F$  FOR GLASS SINTERED FAST EFFICIENT CONSTRUCTION
- TYPICAL  $I_R < 100$  nAmps
- 2.0 AMP OPERATION @  $T_A = 55^\circ\text{C}$ , WITH NO THERMAL RUNAWAY
- SINTERED GLASS CAVITY-FREE JUNCTION

Electrical Characteristics @ 25°C.								EGFZ20A . . . 20M Series	Units
Maximum Ratings		20A	20B	20D	20G	20J	20K	20M	
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... $I_{F(av)}$ @ $T_L = 55^\circ\text{C}$ (Note 2)		2.0							Amps
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$ 8.3ms, ½ Sine Wave Superimposed on Rated Load		65							Amps
Forward Voltage @ 2.0A... $V_F$		< 1.0 > 1.3 < 1.7 >							Volts
DC Reverse Current... $I_{R(max)}$ @ Rated DC Blocking Voltage		$T_A = 25^\circ\text{C}$ 5.0 $T_A = 125^\circ\text{C}$ 100							$\mu\text{Amps}$
Typical Junction Capacitance... $C_j$ (Note 1)		35							pF
Typical Thermal Resistance... $R_{\theta JA}$ (Note 2)		16							$^\circ\text{C/W}$
Maximum Reverse Recovery Time... $t_{RR}$ (Note 3)		< 50 > < 75 >							nS
Operating & Storage Temperature Range... $T_J, T_{STRG}$		-65 to 150							$^\circ\text{C}$



## 2.0 Amp Glass Passivated Sintered Fast Efficient Rectifiers

**EGFZ20A . . . 20M Series**



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%.

- 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  $I_F = 0.5A$ ,  $I_R = 1.0A$ ,  $I_{RR} = 0.25A$ .