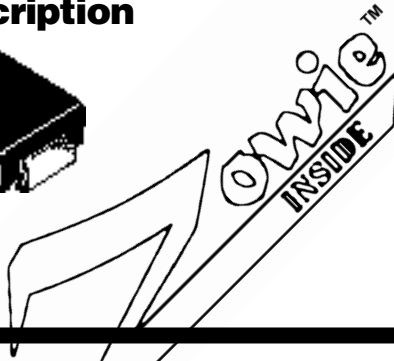




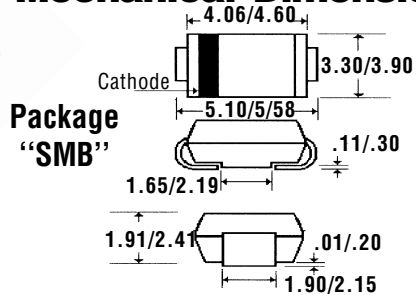
# 2.0 Amp Glass Passivated Sintered Fast Efficient Rectifiers

**EGFZ20A . . . 20M Series**

## Description



## Mechanical Dimensions



## Features

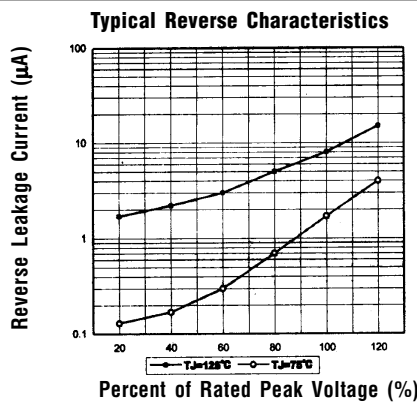
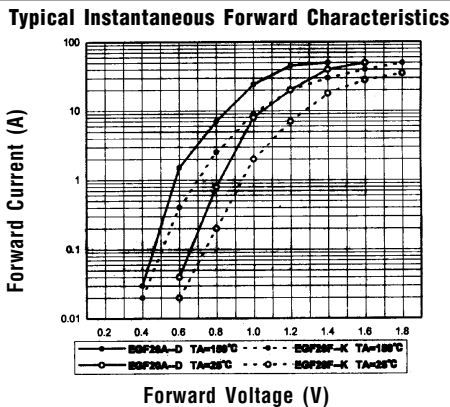
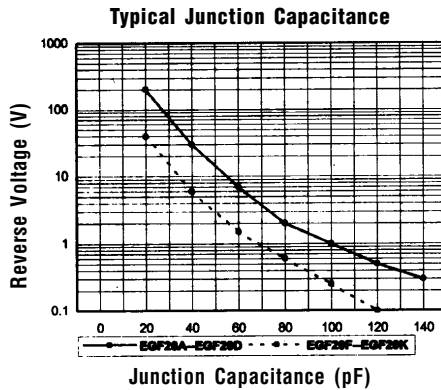
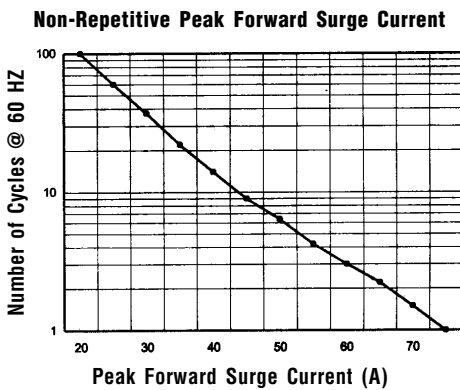
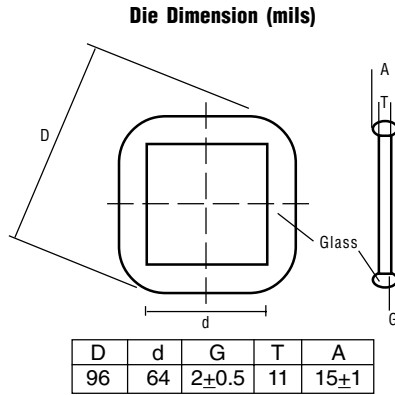
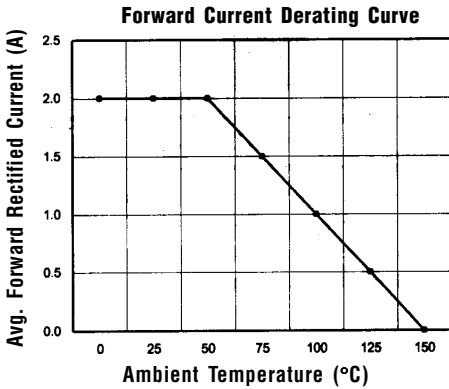
- **LOWEST COST FOR GLASS SINTERED FAST EFFICIENT CONSTRUCTION**
- **LOWEST  $V_F$  FOR GLASS SINTERED FAST EFFICIENT CONSTRUCTION**
- **TYPICAL  $I_r < 100$  nAmps**
- **2.0 AMP OPERATION @  $T_A = 55^\circ\text{C}$ , WITH NO THERMAL RUNAWAY**
- **SINTERED GLASS CAVITY-FREE JUNCTION**

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				μAmps	
	$T_A = 125^\circ\text{C}$			100					
Typical Junction Capacitance... $C_j$ (Note 1)				35				pF	
Typical Thermal Resistance... $R_{\theta JA}$ (Note 2)				16				°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	



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