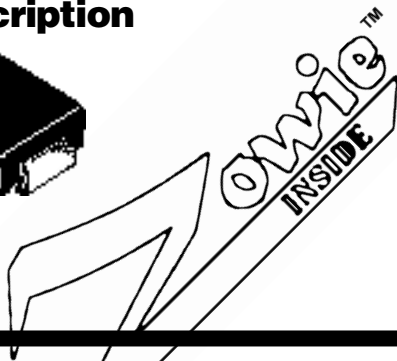




Mechanical Dimensions



4.06/4.60

3.30/3.90

Cathode

5.10/5.58

1.11/1.30

1.65/2.19

1.91/2.41

1.90/2.15

- **LOWEST C_{F} FOR GLASS SINTERED FAST RECOVERY CONSTRUCTION**
- **LOWEST V_{F} FOR GLASS SINTERED FAST RECOVERY CONSTRUCTION**
- **TYPICAL I_{FS} < 100 nAmps**

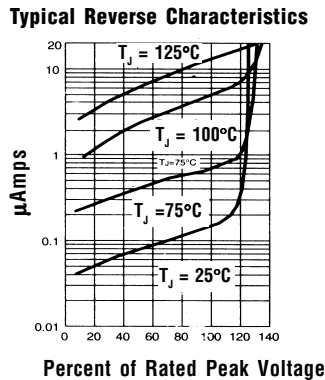
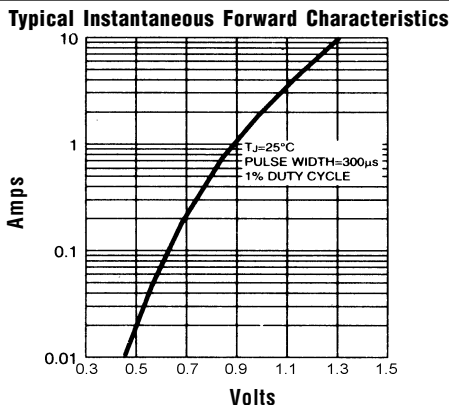
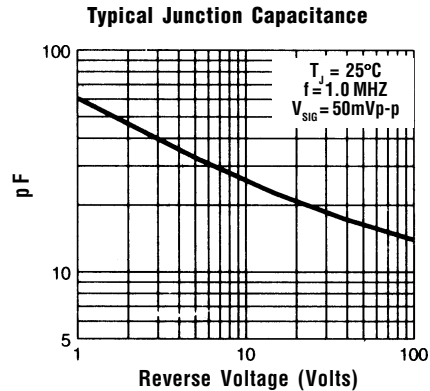
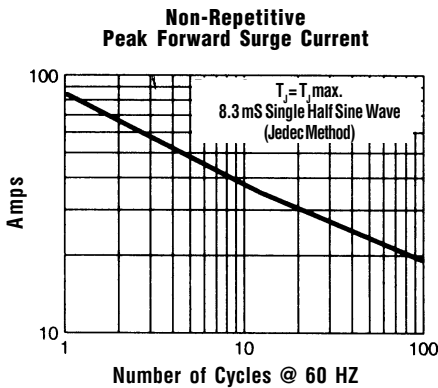
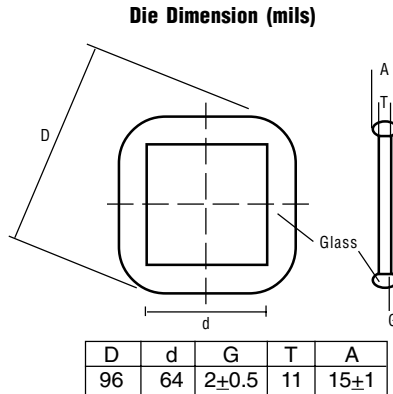
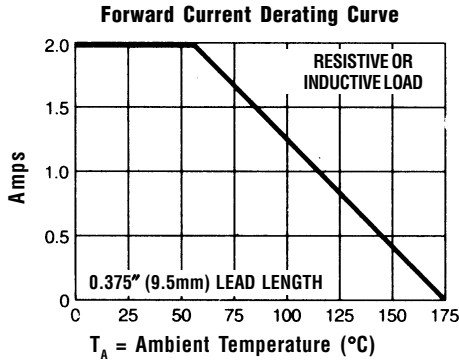
- **2.0 AMP OPERATION @ $T_A = 55^\circ\text{C}$, WITH NO THERMAL RUNAWAY**
- **SINTERED GLASS CAVITY-FREE JUNCTION**

Electrical Characteristics @ 25°C.	RGFZ20A . . . 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°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	1.3							Volts	
Full Load Reverse Current...I _{R(av)} Full Cycle Average @ T _A = 55°C	100							µAmps	
DC Reverse Current...I _{R(max)} @ Rated DC Blocking Voltage	5.0 100							µAmps	
Typical Junction Capacitance...C _j (Note 1)	35							pF	
Typical Thermal Resistance...R _{θJA} (Note 2)	16							°C/W	
Maximum Reverse Recovery Time...t _{RR} (Note 3)	< 150				> 250 < 500 >				nS
Operating & Storage Temperature Range...T _J , T _{STRG}	-65 to 175							°C	



2.0 Amp Glass Passivated Sintered Fast Switching Rectifiers

RGFZ20A . . . 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. 5.0mm² (.013mm thick) land areas.
 3. Reverse Recovery Condition $I_F = 0.5\text{A}$, $I_R = 1.0\text{A}$, $I_{RR} = 0.25\text{A}$.