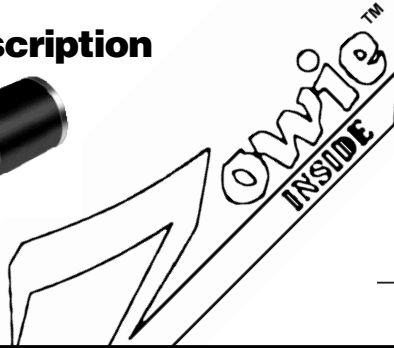


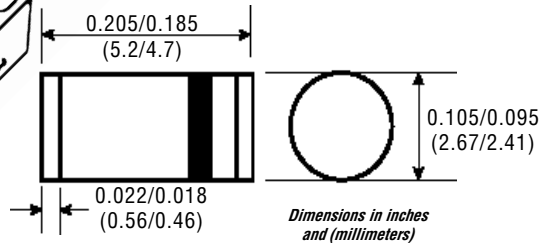
1.0 Amp Glass Passivated Sintered Rectifiers

GLZ41A . . . 41M Series

Description



Mechanical Dimensions



Features

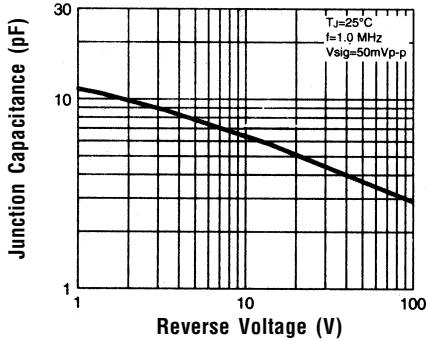
- **LOWEST COST FOR GLASS SINTERED CONSTRUCTION**
- **LOWEST V_F FOR GLASS SINTERED CONSTRUCTION**
- **TYPICAL $I_R < 100$ nAmps**
- **1.0 AMP OPERATION @ $T_A = 75^\circ\text{C}$, WITH NO THERMAL RUNAWAY**
- **SINTERED GLASS CAVITY-FREE JUNCTION**

	GLZ41A . . . 41M Series							Units
Maximum Ratings	41A	41B	41D	41G	41J	41K	41M	
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... $I_{F(av)}$ @ $T_A = 75^\circ\text{C}$	1.0							Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} ½ Sine Wave Superimposed on Rated Load	30							Amps
Operating & Storage Temperature Range... T_J, T_{STRG}	-65 to 175							°C
Electrical Characteristics								
Maximum Forward Voltage @ 1.0A... V_F	< 1.0 > < 1.1 >							Volts
Maximum Full Load Reverse Current... $I_R(av)$ Full Cycle Average @ $T_A = 75^\circ\text{C}$	30							μAmps
Maximum DC Reverse Current... I_R @ Rated DC Blocking Voltage	$T_A = 25^\circ\text{C}$ 10							μAmps
	$T_A = 125^\circ\text{C}$ 50							μAmps
Typical Junction Capacitance... C_J (Note 1)	8.0							pF
Typical Thermal Resistance... $R_{\theta JA}$ (Note 2)	75							°C/W
Polarity Color Band (2nd Band)	Gray	Red	Orange	Yellow	Green	Blue	Violet	

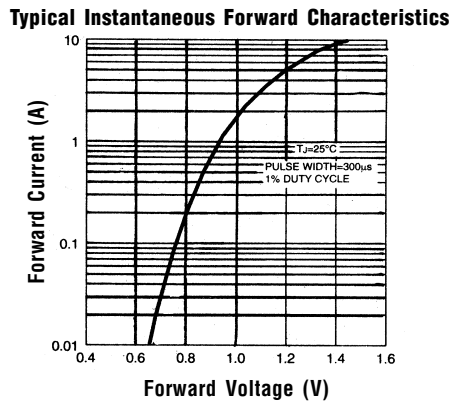
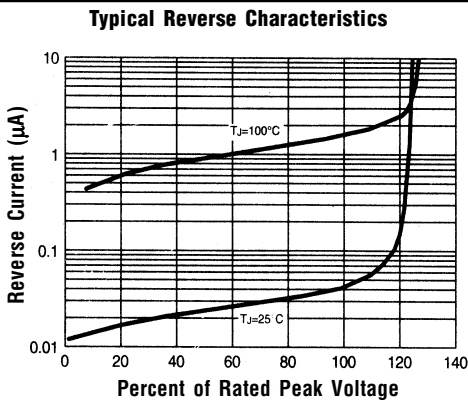
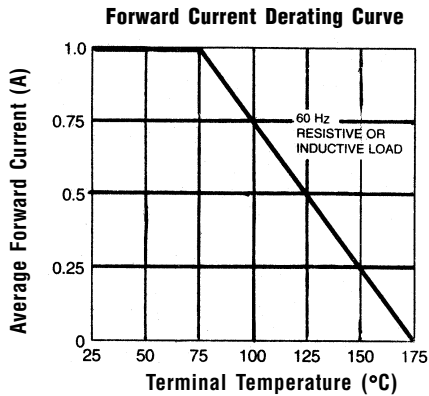
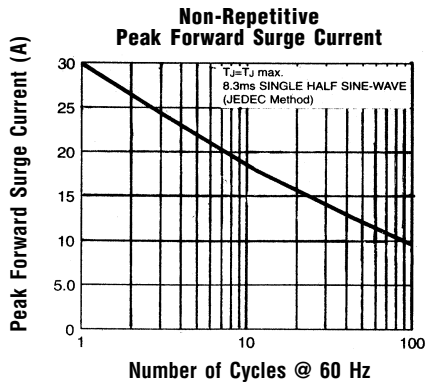
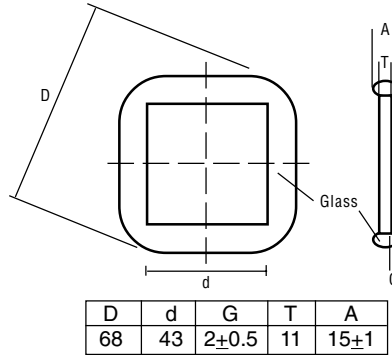
1.0 Amp Glass Passivated Sintered Rectifiers

GLZ41A . . . 41M Series

Typical Junction Capacitance



Die Dimension (mils)



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, 6.0mm² copper pad to each terminal.