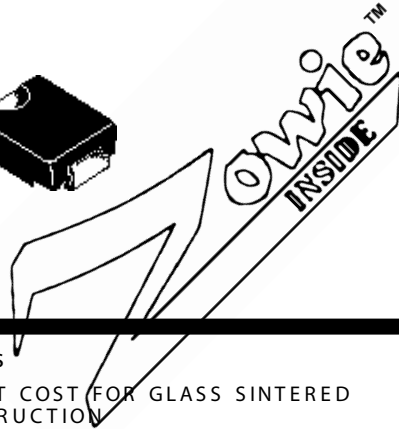
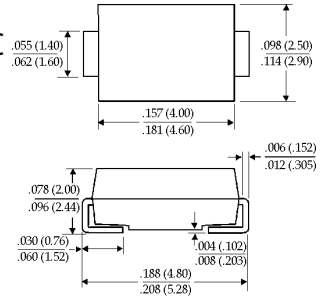


GFZ10A . . . 10V Series



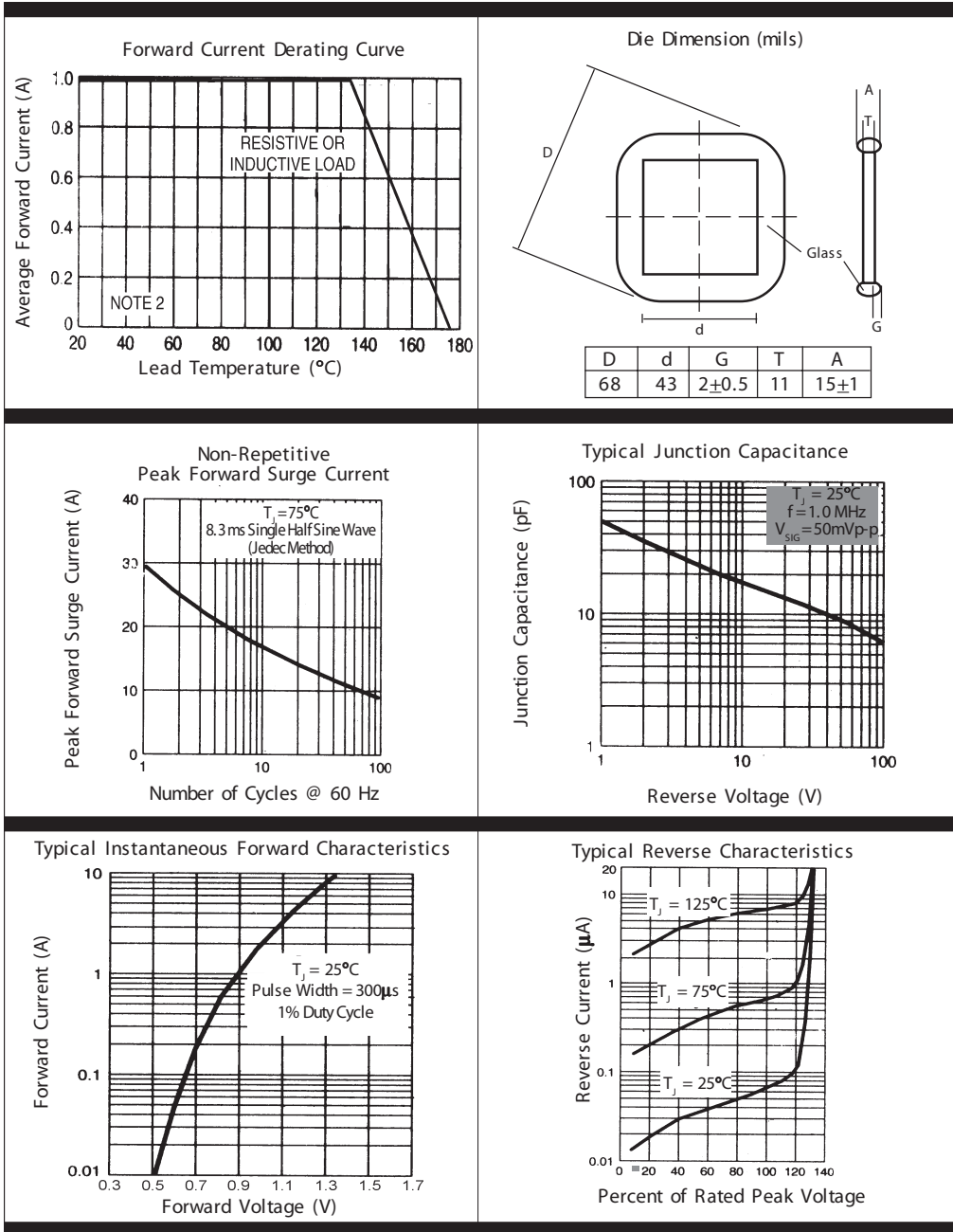
DO-214AC
(SMA)



Features

- n LOWEST COST FOR GLASS SINTERED CONSTRUCTION
- n LOWEST V_F FOR GLASS SINTERED CONSTRUCTION
- n TYPICAL $I_R < 100$ nAmps
- n 1.0 AMP OPERATION @ $T_A = 135^\circ\text{C}$, WITH NO THERMAL RUNAWAY
- n SINTERED GLASS CAVITY-FREE JUNCTION

GFZ10A . . . 10V Series										Units		
Maximum Ratings	10A	10B	10D	10G	10J	10K	10M	10N	10Q	10V		
Peak Repetitive Reverse Voltage... V_{RRM}	50	100	200	400	600	800	1000	1100	1200	1400	Volts	
RMS Reverse Voltage... $V_{R(rms)}$	35	70	140	280	420	560	700	770	840	980	Volts	
DC Blocking Voltage... V_{DC}	50	100	200	400	600	800	1000	1100	1200	1400	Volts	
Average Forward Rectified Current... $I_{F(av)}$ @ $T_A = 135^\circ\text{C}$ (Note 2)						1.0					Amps	
Non-Repetitive Peak Forward Surge Current... I_{FSM} $\frac{1}{2}$ Sine Wave Superimposed on Rated Load						30					Amps	
Operating & Storage Temperature Range... T_J, T_{STRG}						-65 to 175					$^\circ\text{C}$	
Electrical Characteristics												
Maximum Forward Voltage @ 1.0A... V_F	<.....		1.1		>	<.....		1.2> 1.3		Volts
Maximum Full Load Reverse Current... $I_R(av)$ Full Cycle Average @ $T_A = 75^\circ\text{C}$						30					μAmps	
Maximum DC Reverse Current... $I_{R(max)}$ @ Rated DC Blocking Voltage						$T_A = 75^\circ\text{C}$					μAmps	
						$T_A = 150^\circ\text{C}$					μAmps	
Typical Junction Capacitance... C_J (Note 1)	<.....		8.0		>	<....		7.0>		pF
Typical Thermal Resistance... $R_{\theta JA}$ (Note 2)						45					$^\circ\text{C/W}$	
Typical Reverse Recovery Time... t_{RR} (Note 3)						2.0					μs	



NOTES: 1. Measured @ 1 MHz and applied reverse voltage of 4.0V.
 2. 5.0mm² (.013mm thick) land areas.
 3. Reverse Recovery Condition $I_F = 0.5\text{A}$, $I_R = 1.0\text{A}$, $I_{RR} = 0.25\text{A}$.

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%.