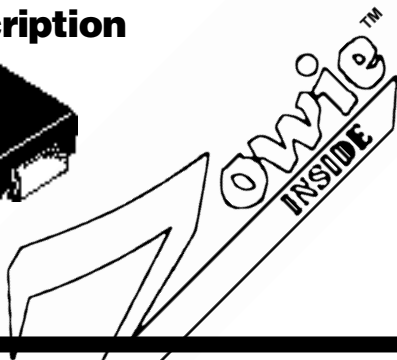
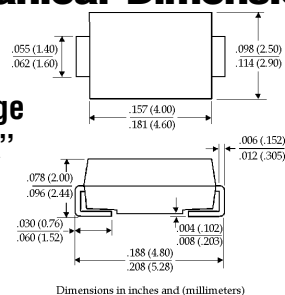


**Description****Mechanical Dimensions****Package
"SMA"****Features**

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

Electrical Characteristics @ 25°C.		UGFZ15A . . . 15G Series				Units
Maximum Ratings	15A	15B	15D	15G		
Peak Repetitive Reverse Voltage... V_{RRM}	50	100	200	400		Volts
RMS Reverse Voltage... $V_{R(rms)}$	35	70	140	280		Volts
DC Blocking Voltage... V_{DC}	50	100	200	400		Volts
Average Forward Rectified Current... $I_{F(av)}$ @ $T_L = 55^\circ\text{C}$ (Note 2)		1.5				Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} 8.3ms, ½ Sine Wave Superimposed on Rated Load		50				Amps
Forward Voltage @ 1.5A... V_F	<	0.95	>	1.25		Volts
Full Load Reverse Current... $I_R(av)$ Full Cycle Average @ $T_A = 125^\circ\text{C}$		100				μAmps
DC Reverse Current... $I_{R(max)}$ @ Rated DC Blocking Voltage $T_A = 25^\circ\text{C}$		5.0				μAmps
Typical Junction Capacitance... C_j (Note 1)		25				pF
Typical Thermal Resistance... $R_{\theta JA}$ (Note 2)		45				°C/W
Maximum Reverse Recovery Time... t_{RR} (Note 3)		35				nS
Operating & Storage Temperature Range... T_J, T_{STRG}		-65 to 175				°C

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