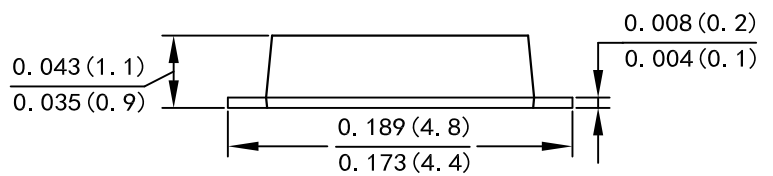
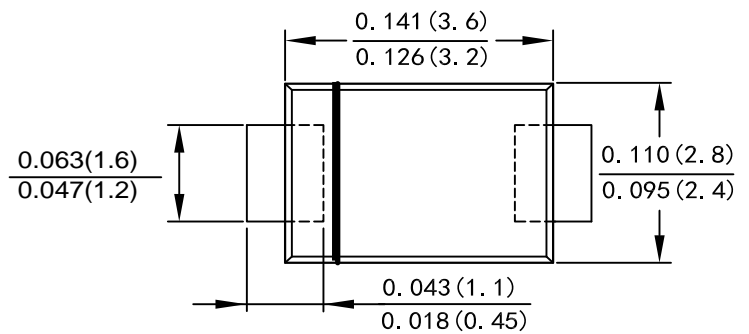


1.0AMP Surface Mount Glass Recovery Rectifier

For surface mounted application
 Low forward voltage drop
 High current capability
 High reliability
 Classification Rating 94V-0

Case: SMAF



'LPLHQVLRQV LQ LQFKHV DQG P

Case: Molded plastic SMAF

Terminals: Plated leads solderable per MIL-STD-750, Method 2026 guaranteed
 Polarity: Color band denotes cathode end
 Mounting Position: Any
 Making: Type Number

! ! " #

Rating at 25 ambient temperature unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load

For capacitive load derate current by 20%

Type Number	SYMBOL	G1A	G1B	G1D	G1G	G1J	G1K	G1M	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Average Rectified Output Current @ $T_L=90$	I_{A90}	1.0							A
Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	30							A
I^2t Rating for Fusing ($t < 8.3ms$)	I^2t	3.735							A ² s
Forward Voltage @ $I_F=1.0A$	V_{FM}	1.0							V
Peak Reverse Current @ $T_A=25$	I_R	5.0							uA
At Rated DC Blocking Voltage @ $T_A=125$		50							
Typical Junction Capacitance (Note 1)	C_J	12							pF
Typical Thermal Resistance Junction to Ambient (Note 2)	$R_{\theta JA}$	65							/ G
Operating Temperature Range	T_J	-55 to +150							
Storage Temperature Range	T_{STG}	-55 to +150							

- ! ; # * ; # \$ 6)) (, # \$ (#
 2. Device mounted on FR-4 substrate, 1" x 1", 2oz, single-sided, PC boards with 0.06" x 0.09" copper pad.

1.0AMP Surface Mount Glass Recovery Rectifier

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

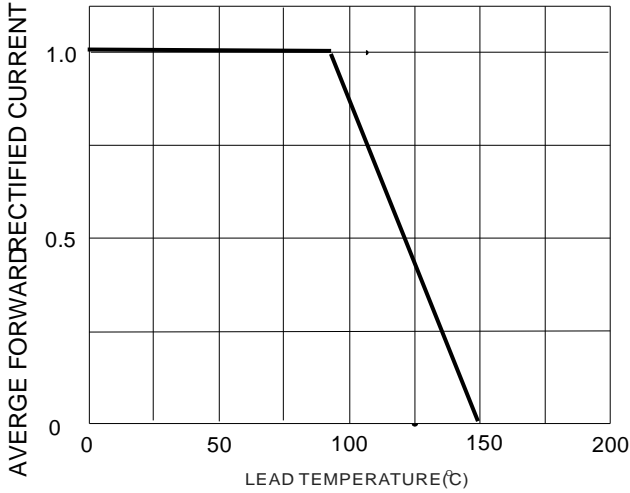


FIG.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

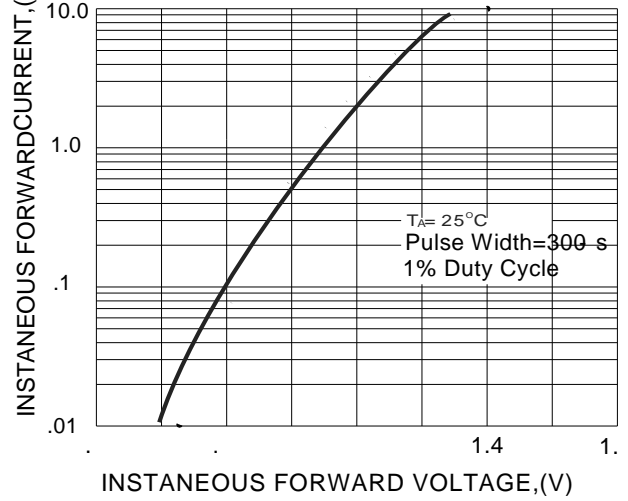


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

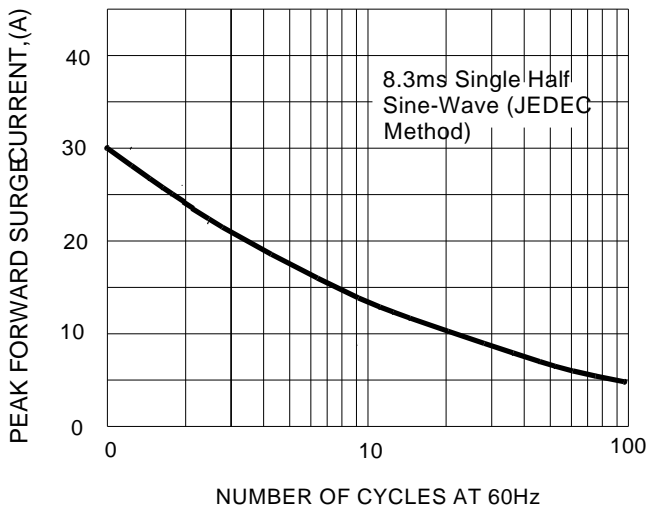


FIG.4 TYPICAL REVERSE CHARACTERISTICS

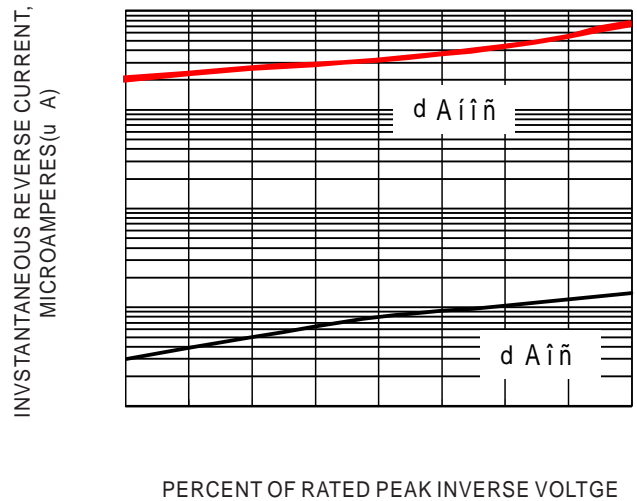


Fig.5 TYPICAL CAPACITANCE

