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G1A-G1M 1.0AMP SURFACE MOUNT GLASS RECOVERY RECTIFIER

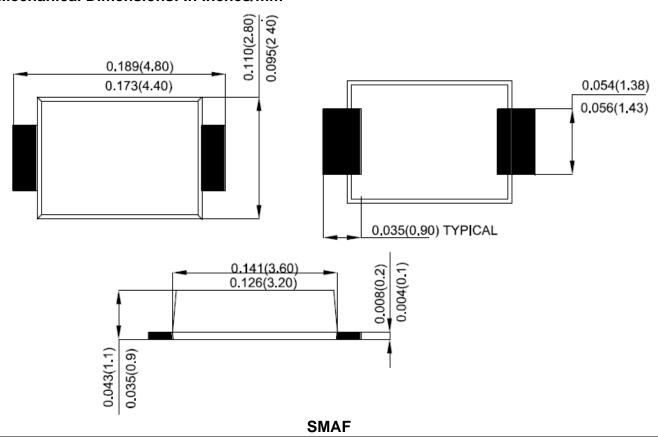
Features:

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

Mechanical Data:

- Case: SMAF, Molded plastic
- Terminals: Plated leads solderable per MIL-STD-750, Method 2026 guaranteed
- Polarity: Color band dentes cathode end
- Mounting Position: AnyMaking: Type Number

Mechanical Dimensions: In Inches/mm



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Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

Type Number	Symbol	G1A	G1B	G1D	G1G	G1J	G1K	G1M	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	$egin{array}{c} V_{RRM} \ V_{RWM} \ V_{DC} \end{array}$	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Average forward rectified output current @T _A = 75°C	Io	1.0							Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	35							А
Forward Voltage @I _F =1.0A	V_{F}	1.1						V	
	I _{RM}	5.0 500							μA
Typical Junction Capacitance (Note 1)	CJ	12							pF
Typical Thermal Resistance Junction to Ambient (Note 2)	$R_{\theta JA}$	30						°C/W	
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +150							°C
Case Style	SMAF								

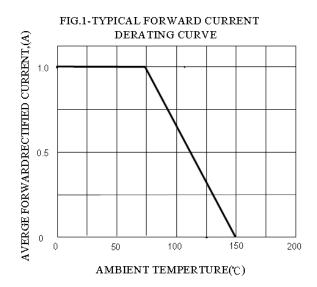
Note: 1. Measured at 1.0 MHz and Applied reverse Voltage of 4.0V D.C 2. Resistance from Junction to Ambient at 0.375(9.5 mm) lead length .

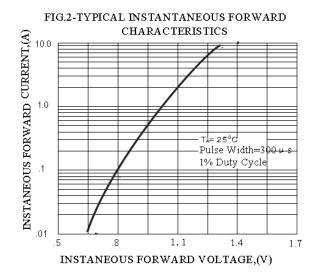
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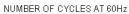


FORWARD SURGE CURRENT PEAK FORWARD SURGE CURRENT,(A) 40 8.3ms Single Half Sine-Wave (JEDEC Method) 30 20

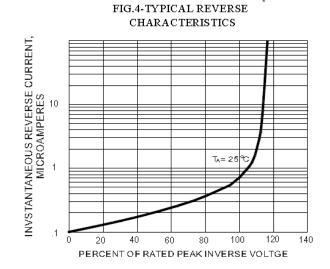
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FIG.3-MAXIMUN NON-REPETITIVE



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