

Technical Data Data Sheet N1731, Rev. - G1A-G1M

Green Products

G1A-G1M **1.0AMP SURFACE MOUNT GLASS RECOVERY RECTIFIER**

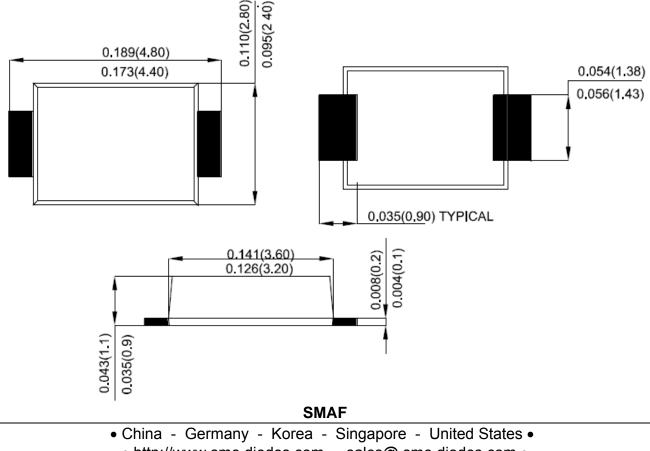
Features:

- 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: Any
- Making: Type Number

Mechanical Dimensions: In Inches/mm



http://www.smc-diodes.com - sales@ smc-diodes.com •



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Type Number	Symbol	G1A	G1B	G1D	G1G	G1J	G1K	G1M	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _{DC}	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 $@T_A = 75^{\circ}C$	Ι _ο	1.0							А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed or rated load (JEDEC Method)	n I _{FSM}	35							А
Forward Voltage @I _F =1.0A	V _F	1.1						V	
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 100^{\circ}C$, I _{RM}	5.0 500							μA
Typical Junction Capacitance (Note 1)	CJ	12							pF
Typical Thermal Resistance Junction to Ambient (Note 2)	$R_{ extsf{ heta}JA}$	30						°C/W	
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +150							°C
Case Style		SMAF							

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

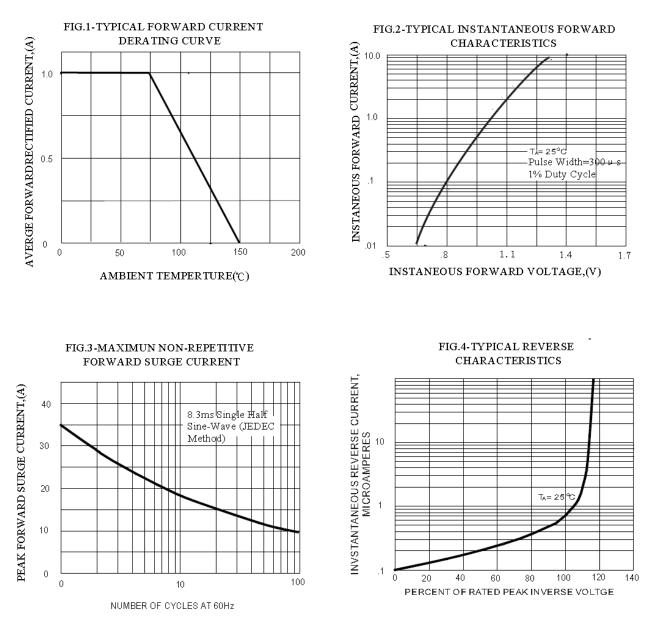
Note: 1. Measured at 1.0 MHz and Applied reverse Voltage of 4.0V D.C 2. Resistance from Junction to Ambient at 0.375(9.5mm) lead length .



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