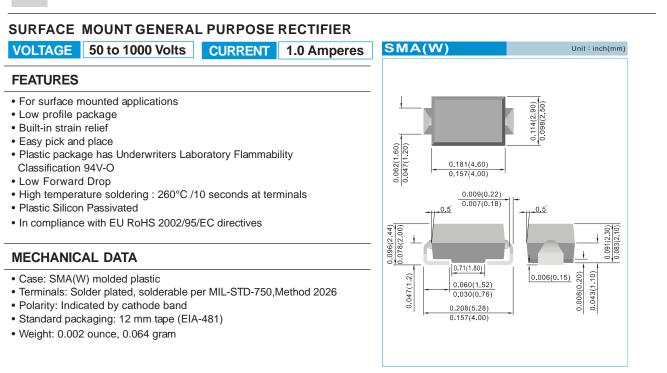
GS1AW~GS1MW



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

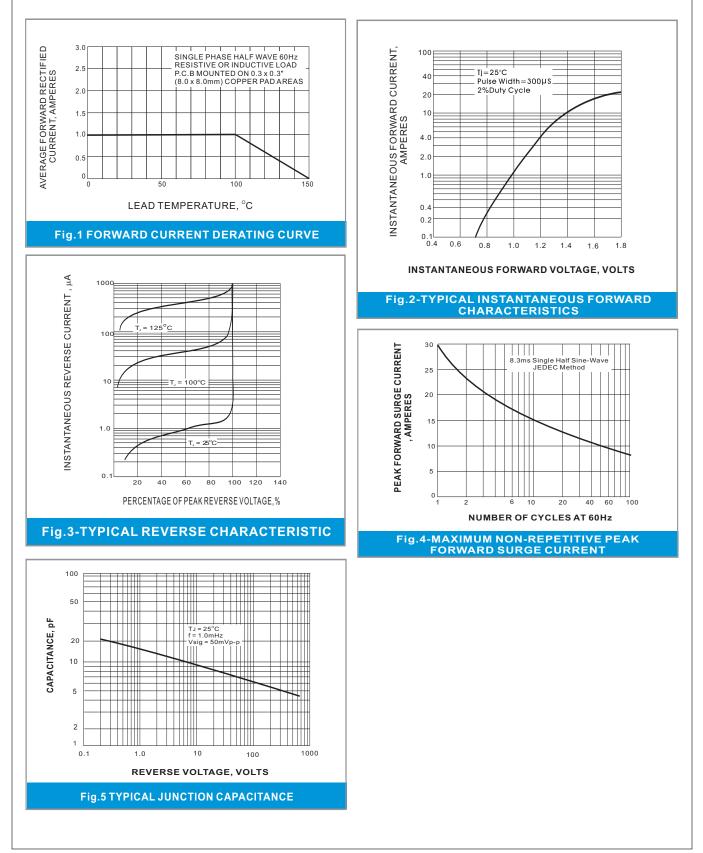
PARAMETER	SYMBOL	GS1AW	GS1BW	GS1DW	GS1GW	GS1JW	GS1KW	GS1MW	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Current at T _L =50 $^{\circ}$ C	I _{F(AV)}	1.0							A
Peak Forward Surge Current : 8.3ms single half sine- wave superimposed on rated load (JEDEC method)	I _{fsm}	30						A	
Maximum Forward Voltage at 1.0A DC	V _F	1.1						V	
Maximum DC Reverse Current at Rated DC $T_j=25^{\circ}C$ Blocking Voltage $T_j=100^{\circ}C$	I _R	5.0 50							μA
Typical Junction Capacitance (Note 1)	C		12						рF
Typical Junction Resistance (Note 2)	$egin{array}{c} {\sf R}_{_{ heta JA}} \ {\sf R}_{_{ heta JC}} \ {\sf R}_{_{ heta JL}} \end{array}$	50 20 14						°C / W	
Operating and Storage Temperature Range	T_J,T _{STG}	-55 to +150						°C	

NOTES:1. Measured at 1 MHz and applied $V_r = 4.0$ volts.



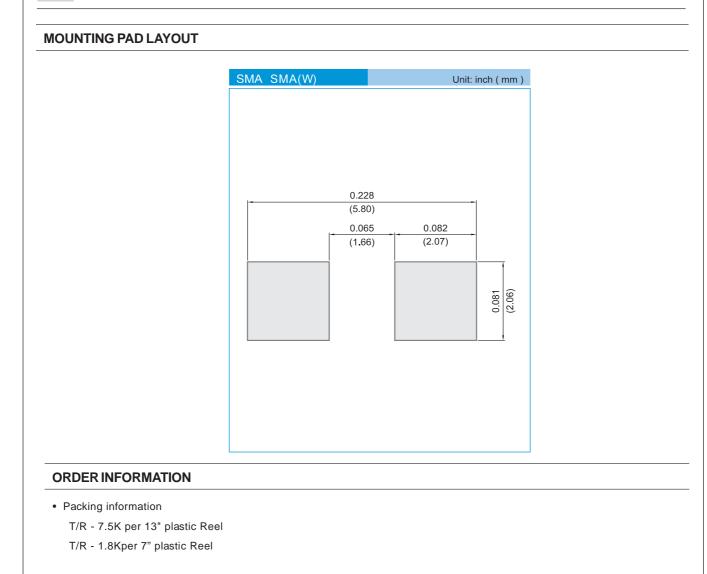
GS1AW~GS1MW

RATING AND CHARACTERISTIC CURVES





GS1AW~GS1MW



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