

Rating at 25°C ambient temperature unless otherwise specified.

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

For capacitive load, derate current by 2
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Type Number	Symbol	1W 005GM	1W 01GM	1W 02GM	1W 04GM	1W 06GM	1W 08GM	1W 10GM	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 Rectified Current @T_A = 50 $^\circ\!\mathrm{C}$	I _(AV)	1.0							А
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	30							A
Maximum Instantaneous Forward Voltage @ 1.0A	V_{F}	1.0							V
Maximum DC Reverse Current @ T _A =25°C	I _R	10							uA
at Rated DC Blocking Voltage @ T _A =125°C	ית	500							uA
Typical Thermal Resistance (Note)	$R heta_{JA}$ $R heta_{JL}$	36 13							℃ /W
Operating Temperature Range	TJ	-55 to +150							C
Storage Temperature Range	T _{STG}	-55 to +150							C

Note: Thermal resistance from Junction to Ambient and from Junction to Lead Mounted on P.C.B. with 0.2" x 0.2" (5mm x 5mm) Copper Pads.



