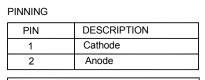
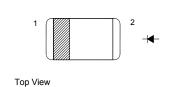
Surface Mount Schottky Barrier Rectifier

Reverse Voltage - 20 to 40 V Forward Current - 1 A





Marking Code: 1N5817M:A0 1N5818M~1N5819M:SR Simplified outline Mini-SMA and sym<mark>bol</mark>

Absolute Maximum Ratings and Characteristics

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

Parameter		Symbols	1N5817M	1N5818M	1N5819M	Units
Maximum Repetitive Peak Reverse Voltage		VRRM	20	30	40	V
Maximum RMS Voltage		V _{RMS}	14	21	28	V
Maximum DC Blocking Voltage		V _{DC}	20	30	40	V
Maximum Average Forward Rectified Current		I _{F(AV)}	1			А
Peak Forward Surge Current 8.3 ms Single Half Sine Wave IFSM 25 Superimposed on Rated Load(JEDEC methode) 1 1				А		
Maximum Instantaneous Forward Voltage	at I _F = 1 A at I _F = 3 A	V_{F}	0.45 0.75	0.55 0.875	0.6 0.9	V
Maximum Instantaneous Reverse Current at Rated DC Blocking Voltage ¹⁾	T _A = 25°C T _A = 100°C	I _R		0.5 10		mA
Typical Junction Capacitance ²⁾		C」		110		pF
Typical Thermal Resistance, Junction to Ambient ³⁾		$R_{\theta JA}$	75			°C/W
Operating Junction Temperature Range		Tj	- 55 to + 125			°C
Storage Temperature Range		T _{stg}	- 55 to + 150			°C
1)						

 $^{1)}$ Pulse test: 300 μs pulse width, 1% duty cycle

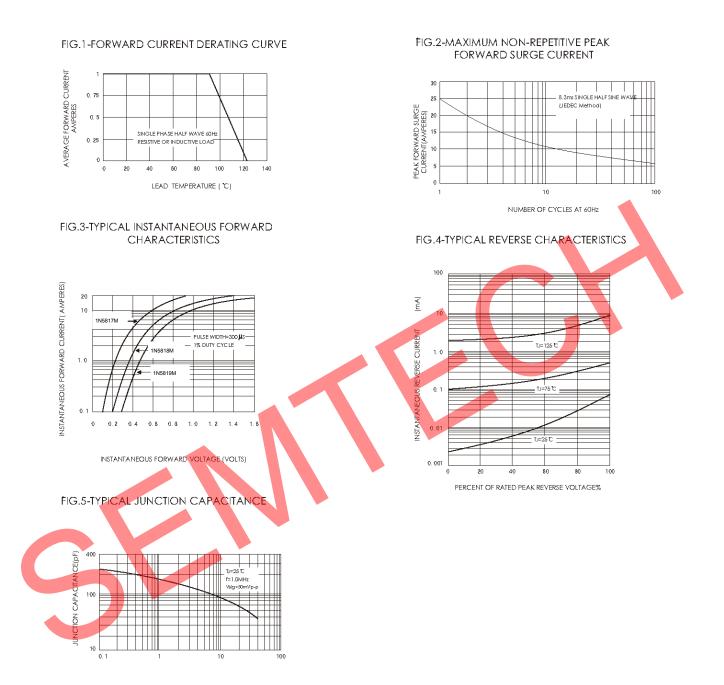
 $^{\rm 2)}$ Mearsured at 1 MHz and reverse voltage of 4 V

³⁾ Thermal resistance junction to ambient 0.24" X 0.24"(6 X 6 mm) copper pads to each terminals





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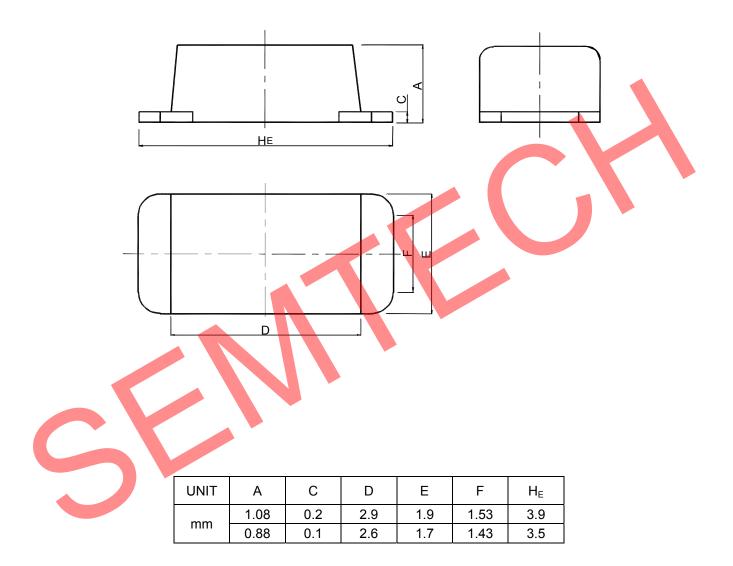




PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

Mini-SMA









Dated: 05/07/2013 Rev: 02