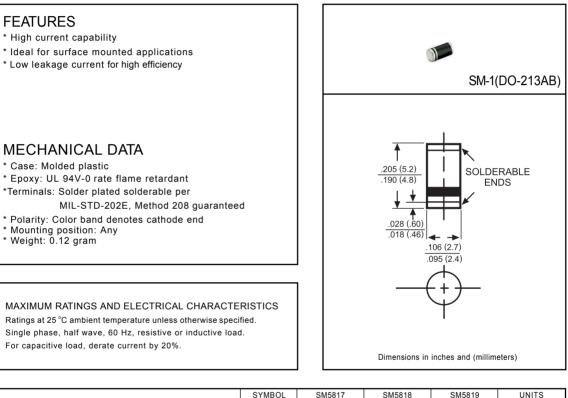
## SM5817 THRU SM5819

TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

## VOLTAGE RANGE - 20 to 40 Volts



## CURRENT - 1.0 Ampere



		SYMBOL	SM5817	SM5818	SM5819	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	20	30	40	Volts
Maximum RMS Voltage		Vrms	14	21	28	Volts
Maximum DC Blocking Voltage		VDC	20	30	40	Volts
Maximum Average Forward Rectified Current at TA=90°C		ю	1.0			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	25			Amps
Maximum Instantaneous Forward Voltage at 1.0A DC		VF	.50	.55	.60	
Maximum DC Reverse Current at Rated DC Blocking Voltage	@TA = 25°C	IR	1.0			mAmps
	@TA = 100°C		10			
Typical Thermal Resistance (Note1)		R <sup>θ</sup> JA	75			°C/W
Typical Junction Capacitance (Note 2)		CJ	110			pF
Storage Operating Temperature Range		TJ, TSTG	-65 to + 125			۰C

NOTES : 1. Thermal Resistance (Junction to Ambient), .24in<sub>2</sub> (6.0mm<sub>2</sub>) copper pads to each terminal. 2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

