

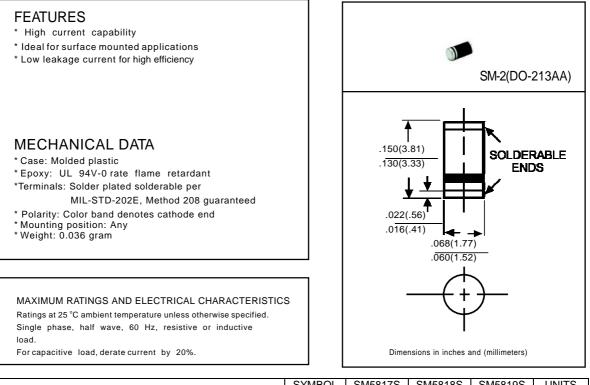
ENTERPRISE CORP. INTANO ENTERPRISE CORP.

SM5817S THRU SM5819S

TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE - 20 to 40 Volts

CURRENT - 1.0 Ampere



		SYMBOL	SM5817S	SM5818S	SM5819S	UNITS
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	20	30	40	Volts
Maximum RMS Voltage		V _{RMS}	14	21	28	Volts
Maximum DC Blocking Voltage		V _{DC}	20	30	40	Volts
Maximum Average Forward Rectified Current at TA=90° C		IO	1.0			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		I _{FSM}	25		Amps	
Maximum Instantaneous Forward Voltage at 1.0A DC		V _F	.50	.55	.60	Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage	@T _A =25℃	I _R	1.0			mAmps
	@T _A =100°C		10			
Typical Thermal Resistance (Note1)		Reja	75			°C/w
Typical Junction Capacitance (Note2)		CJ	110			pF
Storage Operating Temperature Range		T_{J}, T_{STG}	-65 to +125			°C

 NOTES:
 1. Thermal Resistance (Junction to Ambient), .24in₂ (6.0mm₂) copper pads to each terminal.

 2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

