

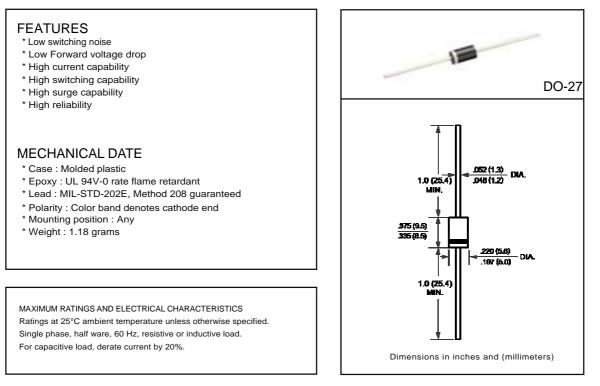
HITANO ENTERPRISE CORP.

1N5820 THRU 1N5822

TECHNICAL SPECIFICATIONS OF SCHOTTKY BARRIER RECTIFIER

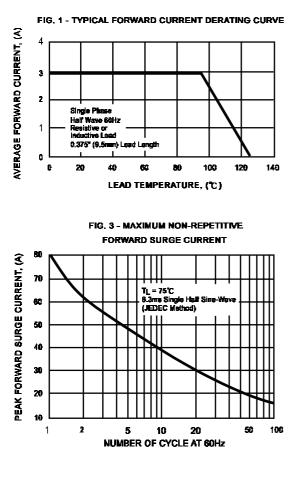
VOLTAGE RANGE - 20 to 40 Volts

CURRENT - 3.0 Amperes



		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 .375*(9.5mm) lead length at T L= 95°C		ю	3.0			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	80			Amps
Maximum Instantaneous Forward Voltage at 3.0A DC (Note 1)		VF	.475	.500	.525	Volts
Maximum Instantaneous Forward Voltage at 9.4A DC (Note 1)		VF	.850	.900	.950	Volts
Maximum DC Reverse Current at	@ TA= 25℃	IR	2.0			mAmps
Rated DC Blocking Voltage (Note 1)	@ TA= 100°C	IR	20			
Typical Thermal Resistance (Note 2)		RθJA	28			°C / W
Typical Thermal Resistance (Note 3)		CJ	250		pF	
Storage Operating Temperature Range		TJ,TSTG	-65 to +125			°C

NOTES : 1. Measured at Pulse Width 300 uS, Duty 2%. 2. Thermal Resistance (Junction to Ambient) : Vertical PC Board Mounting, 5.0" (12.7mm) Lead Length. 3. Measured at 1 MHz and applied reverse voltage of 4.0 volts.





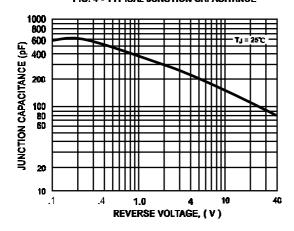


FIG. 2 - TYPICAL REVERSE CHARACTERISTICS

