

HITANO ENTERPRISE CORP.

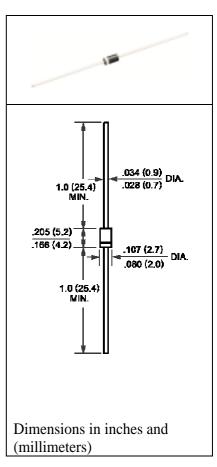
SK12 THRU SK18

TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER VOLTAGE RANGE - 20 to 80 Volts **CURRENT - 1.0 Ampere**

FEATURES *Ideal for surface mounted application *Low leakage current *Glass passivated junction MECHANICAL DATA *Case: Molded Plastic *Epoxy: UL 94V-0 rate flame retardant *Terminals : Solder plated, solderable per MIL-STD-750, Method 2026 *Polarity: As marked *Mounting position:Any *Weight: 0.093 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

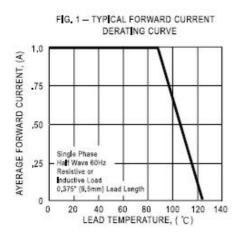
Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.



	SYMBOL	1N5817	1N5818	1N5819	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	30	40	Volts
Maximum RMS Voltage	V _{RRS}	14	21	28	Volts
Maximum DC Blocking Voltage	V _{DC}	20	30	40	Volts
Maximum Average Forward Rectified Current	lo	10			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	.45	.55	.60	Volts
Maximum Forward Voltage at 3.1A DC	V _F	.75 .875 .90		Volts	
Maximum DC Reverse Current at $@T_A = 25^{\circ}C$		10			mAmps
Rated DC Blocking Voltage $@T_A = 100^{\circ}C$	I _R	10			
Typical Thermal Resistance (Note1)	R _{oja}	80		°C/w	
Typical Junction Capacitance (Note2)	CJ	110		pF	
Storage and Operating Temperature Range	T _J T _{STG}	-60 to +125			°C

NOTES: 1. Thermal Resistance (Junction to Ambient): Vertical PC Board Mounting , 0.375"(9.5mm) Lead Length 2. Measured at 1MHz and applied reverse voltage of 4.0 volts.

RATING AND CHARACTERISTIC CURVES (1N5817 THRU 1N5819)



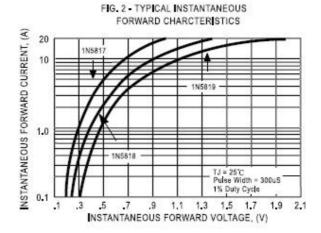


FIG. 4 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

