

HITANO ENTERPRISE CORP.

1S2 THRU 1S10

TECHNICAL SPECIFICATIONS OF SCHOTTKY BARRIER RECTIFIER VOLTAGE RANGE -20 to 100Volts CURRENT -1.0 Ampere



		SYMBOL	1S2	1S3	1S4	1S5	1S6	1S8	1S10	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	20	30	40	50	60	80	100	Volts
Maximum RMS Voltage		Vrms	14	21	28	35	42	56	70	Volts
Maximum DC Blocking Voltage		VDC	20	30	40	50	60	80	100	Volts
Maximum Average Forward Rectified Current .375*(9.5mm) lead length		ю	1.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	35						Amps	
Maximum Instantaneous Forward Voltage at 1.0A DC		Vf		.55			70 .8		35	Volts
Maximum DC Reverse Current	@TA = 25°C		1.0							mAmps
at Rated DC Blocking Voltage	@TA = 100°C		10							mAmps
Typical Thermal Resistance (Note 1)		RθJA	50							°C/W
Typical Junction Capacitance (Note 2)		CJ	110							pF
Operating Temperature Range		TJ	-65 to + 150							٥C
Storage Temperature Range		Tstg	-65 to + 150							٥C
NOTES : 1. Thermal Resistance (Junction	to Ambient): Vertical PC Boa	rd Mounting, 0.375	(9.5mm)	Lead Len	gth.					

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

