

HITANO ENTERPRISE CORP..

1N4148W THRU 1N4448W

TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SWITCHING DIODE

VOLTAGE RANGE -50 to 100 Volts

CURRENT - 0.15 to 0.2 Ampere



	SYMBOL	1N4148W	1N4150W	1N4151W	1N4448W	UNITS
Maximum DC Blocking Voltage	VDC	75	50	50	75	V
Maximum Recurrent Peak Reverse Voltage	Vrrm	100	50	75	100	V
Maximum Average Rectified Current	lo	150	200	150	150	mA
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	2.0 0.5			4.0	А
Maximum Power Dissipation Tamb=25°C	Ptot	410				mW
Maximum Forward Voltage	VF	1.0 / 50mA	1.0 / 200mA	1.0 / 10mA	0.72 / 5mA 1.0 / 100mA	V
Maximum Reverse Current at Rated DC Blocking Voltage @ TA=25°C	lr	2.5	0.1	0.05	2.5	μA
Maximum Reverse Recovery Time(Note 1)	trr	4.0 2.0		2.0	4.0	ns
Typical Junction Capacitance(Note 2)	CJ	4.0		2.0	4.0	pF
Operating and Storage Temperature Range	TJ,TSTG	-55 to + 125				°C

Note: 1. Test conditions: IF=IR=10mA, RL=100Ω, measured at IR=1mA

2. Measured at 1MHz and VR=0

RATING AND CHARACTERISTIC CURVES (1N4148W THRU 1N4448W)



INSTANTANEOUS FORWARD VOLTAGE, (V)



FIG.2 - TYPICAL REVERSE CHARACTERISTICS





