

## HITANO ENTERPRISE CORP.

## **SS12 THRU SS110**

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

## **FEATURES**

- \* Ideal for surface mounted applications
- \* Low leakage current
- \* Glass passivated junction

#### MECHANICAL DATA

\* Case: Molded plastic

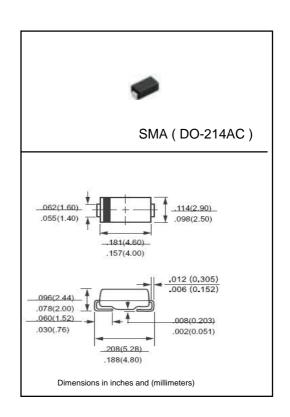
\* Epoxy: UL 94V-0 rate flame retardant \*Terminals: Solder plated solderable per MIL-STD-750, Method 2026

\* Polarity: As marked Mounting position: Any Weight: 0.064 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	SS12	SS14	SS15	SS16	SS18	SS110	UNITS
Maximum Recurrent Peak Reverse \	/oltage	VRRM	20	40	50	60	80	100	Volts
Maximum RMS Voltage	age VRMS		14	28	35	42	56	70	Volts
Maximum DC Blocking Voltage		VDC	20	40	50	60	80	100	Volts
Maximum Average Forward Rectified Current at Derating Lead Temperature		Ю	1.0						Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	30					Amps	
Maximum Instantaneous Forward Vo	ximum Instantaneous Forward Voltage at 1.0A DC		0.55 0.70 0.85			.85	Volts		
Maximum DC Reverse Current at Rated DC Blocking Voltage	@TA = 25° C @TA = 100°C	lr			1.0			mAmps	
Typical Thermal Resistance (Note 1)		RθJA	88					°C/W	
Typical Junction Capacitance (Note 2)		CJ	110						pF
Operating Temperature Range		TJ	-65 to + 125						°C
Storage Temperature Range		Тѕтс	-65 to + 150					°C	

NOTES: 1. Thermal Resistance (Junction to Ambient).
2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

3. P.C.B Mounted with 0.2X0.2\*(5.0X5.0mm<sup>2</sup>) copper pad area.

## RATING AND CHARACTERISTIC CURVES (SS12 THRU SS110)

