

# CHENMKO ENTERPRISE CO.,LTD

## SURFACE MOUNT

SCHOTTKY BARRIER RECTIFIER VOLTAGE RANGE 20 - 60 Volts CURRENT 2.0 Amperes SSM22PT **THRU** SSM26PT

## **FEATURES**

- \* Plastic package has Underwriters Laboratory
- Flammability Classification 94V-0
- For surface mounted applications
- Low profile package Built-in strain relief
- Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- High current capability, low forward voltage drop
- High surge capability
- For use in low voltage high frequency inverters, free wheeling, and polarity protection applications
- High temperature soldering guaranteed :
- 260°C/10 seconds at terminals

#### **MECHANICAL DATA**

Case: JEDEC SMA molded plastic

**Terminals:** Solder plated, solderable per MIL-STD-750,

Method 2026

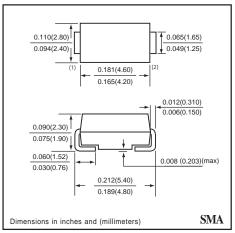
Polarity: Color band denotes cathode end

Weight: 0.002 ounce 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%.





# MAXIMUM RATINGES ( At TA = 25°C unless otherwise noted )

RATINGS	SYMBOL	SSM22PT	SSM23PT	SSM24PT	SSM25PT	SSM26PT	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	20	30	40	50	60	Volts
Maximum RMS Voltage	VRMS	14	21	28	35	42	Volts
Maximum DC Blocking Voltage	VDC	20	30	40	50	60	Volts
Maximum Average Forward Rectified Current	lo	2.0					Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	50					Amps
Typical Junction Capacitance (Note 2)	Сл	210			110		pF
Typical Thermal Resistance (Note 1)	R θ JL	20					°C / W
Operating Temperature Range	TJ	-65 to +125 -65 to +150			+150	°C	
Storage Temperature Range	Тѕтс	-65 to +150					°C

### ELECTRICAL CHARACTERISTICS ( At TA = 25°C unless otherwise noted )

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CHARACTERISTICS		SYMBOL	SSM22PT	SSM23PT	SSM24PT	SSM25PT	SSM26PT	UNITS
Maximum Instantaneous Forward Voltage at 2.0 A DC		VF	0.55 0.7			70	Volts	
Maximum Average Reverse Current	@ Ta = 25°C	lo.			0.5			mAmps
at Rated DC Blocking Voltage	@ Ta = 100°C	lR IR	10				mAmps	

NOTES: 1. Thermal Resistance ( Junction to Lead ): PC Board Mounted on 0.2 X 0.2" ( 5 X 5mm ) copper pad area.

2. Measured at 1.0 MHz and applied reverse voltage of 4.0 volts.

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