

# CHENMKO ENTERPRISE CO., LTD

SR070PT THRU SR100PT

## SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 70 - 100 Volts CURRENT 1.0 Ampere

## **FEATURES**

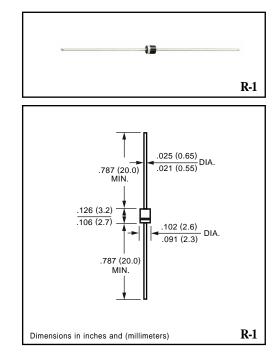
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Low switching noise
- Low forward voltage drop High current capability
- High switching capability
- High reliability
- High surge capability
- High temperature soldering guaranteed : 260°C/10 seconds , 0.375" (9.5mm) lead length, 5lbs. (2.3kg) tension

## **MECHANICAL DATA**

Case: JEDEC R-1 molded plastic body Terminals: Plated axial leads, solderable per MIL-STD-750, Method 2026 Polarity: Color band denotes cathode end Mounting Position: Any Weight: 0.19 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	SR070PT	SR080PT	SR090PT	SR100PT	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	70	80	90	100	Volts
Maximum RMS Voltage	VRMS	49	56	63	70	Volts
Maximum DC Blocking Voltage	VDC	70	80	90	100	Volts
Maximum Average Forward Rectified Current 0.375" (9.5mm) lead length (SEE FIG.1)	lo	1.0				
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	Ігѕм	30				
Typical Junction Capacitance (Note 1)	CJ	110				
Typical Thermal Resistance (Note 2)	RθJA	80				
Operating Temperature Range	TJ	-65 to +150				
Storage Temperature Range	Тѕтс	-65 to +150				°C

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

CHARACTERISTICS		SYMBOL	SR070PT	SR080PT	SR090PT	SR100PT	UNITS
Maximum Instantaneous Forward Voltage at 1.0 A DC		VF	0.70		0.85		Volts
Maximum Average Reverse Current	@ TA = 25°C		1.0				mAmps
at Rated DC Blocking Voltage	@ TA = 100°C	- IR	10				
NOTES : 1 Measured at 1.0 MHz and applied reverse voltage of 4.0 volts							

NOTES: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0 volts

2. Thermal Resistance ( Junction to Ambient ) : Vertical PC Board Mounting, 0.5" (12.7mm) Lead Length.

