

CHENMKO ENTERPRISE CO.,LTD

SURFACE MOUNT GLASS PASSIVATED

SUPER FAST SILICON RECTIFIER VOLTAGE RANGE 50 - 200 Volts CURRENT 0.8 Ampere PSM11PT **THRU** PSM13PT

FEATURES

- For surface mounted applications
- Low profile package
- Built-in strain relief
- Superfast recovery times for high efficiency Metallurgically bonded construction
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated junction
- High temperature soldering guaranteed : 260°C/10 seconds at terminals

MECHANICAL DATA

Case: JEDEC SOD-123S molded plastic

Terminals: Solder plated, solderable per MIL-STD-750, Method 2026

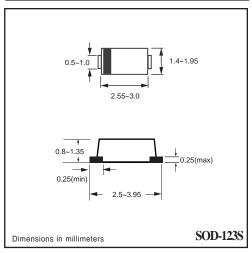
Polarity: Indicated by cathode band Weight: 0.001 ounces, 0.032 gram

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	PSM11PT	PSM12PT	PSM13PT	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	Volts
Maximum RMS Voltage	VRMS	35	70	140	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	Volts
Maximum Average Forward Rectified Current TL = 120°C	lo	0.8			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	30			Amps
Typical Junction Capacitance (Note 1)	Cı	15			pF
Operating and Storage Temperature Range	TJ, TSTG	-65 to +150			°C

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

CHARACTERISTICS		SYMBOL	PSM11PT	PSM12PT	PSM13PT	UNITS
Maximum Instantaneous Forward Voltage at 0.8 A DC		VF	0.95			Volts
Maximum DC Reverse Current	@ TA = 25°C	la	5.0			uAmps
at Rated DC Blocking Voltage	@ TA = 100°C	l R	50			uAmps
Maximum Reverse Recovery Time (Note 2)		trr	35			nSec

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

2. Test Conditions : IF = 0.5 A, IR = -1.0 A, IRR = -0.25 A

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RATING CHARACTERISTIC CURVES (PSM11PT THRU PSM13PT)

