



CHENMKO ENTERPRISE CO.,LTD

Halogens free devices

SURFACE MOUNT

SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 60 Volts CURRENT 0.5 Ampere

SSM0560SGP

FEATURES

- *Lead Free Finish/RoHS Compliant
- *Extremely Low Thermal Resistances
- *For Surface Mount Application and High Current Capability

MECHANICAL DATA

Case: JEDEC SOD-123 molded plastic

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

Polarity: Color band denotes cathode end

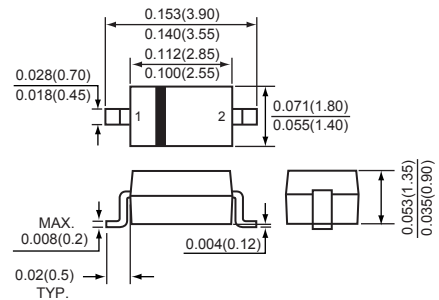
Marking: K16



SOD-123

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%.



Dimensions in inches and (millimeters)

SOD-123

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

RATINGS	SYMBOL	SSM0560SGP	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	60	Volts
Maximum RMS Voltage	VRMS	42	Volts
Maximum Average Forward Rectified Current	Io	0.5	Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	5.5	Amps
Power Dissipation	PD	410	mW
Thermal Resistance Junction to Ambient	R θJA	244	°C / W
Operating Temperature Range	TJ	125	°C
Storage Temperature Range	TSTG	-55 to +150	°C

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

CHARACTERISTICS	SYMBOL	SSM0560SGP	UNITS
Maximum Instantaneous Forward Voltage at IF=0.5A	VF	0.7	Volts
Maximum Average Reverse Current at Rated DC Blocking Voltage	IR	80	uAmps

2015-08

RATING CHARACTERISTIC CURVES (SSM0560SGP)

