



CHENMKO ENTERPRISE CO.,LTD

Halogens free devices

SURFACE MOUNT
SCHOTTKY BARRIER DIODE

VOLTAGE 30 Volts CURRENT 0.2 Ampere

BAT43HGP

APPLICATION

* Low power rectification

FEATURE

* Small surface mounting type. (SC-76/SOD-323)
* High reliability

CONSTRUCTION

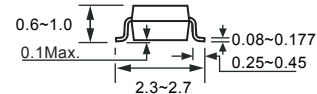
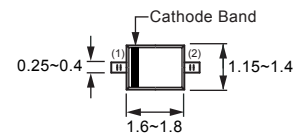
* Silicon epitaxial planar

MARKING

* JA



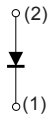
SC-76/SOD-323



Dimensions in millimeters

SC-76/SOD-323

CIRCUIT



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

RATINGS	SYMBOL	BAT43HGP	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	30	Volts
Maximum RMS Voltage	VRMS	21	Volts
Maximum DC Blocking Voltage	VDC	20	Volts
Maximum Average Forward Rectified Current	Io	0.2	Amps
Peak Forward Surge Current at 10 mSec single half sine-wave	IFSM	4.0	Amps
Typical Junction Capacitance between Terminal (Note 1)	CJ	10	pF
Maximum Operating Temperature Range	TJ	+125	°C
Storage Temperature Range	TSTG	-55 to +125	°C

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

CHARACTERISTICS	SYMBOL	BAT43HGP	UNITS
Maximum Instantaneous Forward Voltage at If(1)= 2mA	Vf(1)	0.33	Volts
Maximum Instantaneous Forward Voltage at If(2)= 15mA	Vf(2)	0.45	Volts
Maximum Instantaneous Forward Voltage at If(3)= 200mA	Vf(3)	1.0	Volts
Maximum Average Reverse Current at VR= 25V	IR	500	nAmps
Maximum Average Reverse Current at VR= 25V at Ta=100°C	IR	100	uAmps

NOTES : 1. Measured at 1.0 MHz and applied reverse voltage of 10.0 volts.
2. ESD sensitive product handling required.

2014-04

RATING CHARACTERISTIC CURVES (BAT43HGP)

