



CHENMKO ENTERPRISE CO.,LTD

BAT46BPT

SURFACE MOUNT SCHOTTKY DIODE

VOLTAGE 100 Volts CURRENT 75 mAmpere

Lead free devices

FEATURE

- * Small surface mounting type. (SOD-123)
- * Suitable for high packing density.
- * Maximum total power dissipation is 200mW.
- * Peak forward current is 500mA at time<1.0sec.

CONSTRUCTION

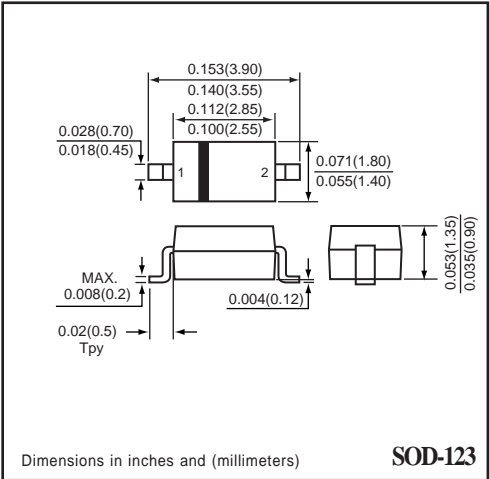
- * Silicon epitaxial planar

MARKING

- * BT3



SOD-123



Dimensions in inches and (millimeters)

SOD-123

CIRCUIT



RATINGS	SYMBOL	BAT46BPT	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	100	Volts
Maximum RMS Voltage	VRMS	70	Volts
Maximum DC Blocking Voltage	VDC	100	Volts
Maximum Average Forward Rectified Current	Io	75	mAmps
Peak Forward Surge Current at <10mSec.	IFSM	0.75	Amps
Typical Junction Capacitance between Terminal (Note 1)	CJ	10	pF
Power Dissipation	Pd	200	mW
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	BAT46BPT	UNITS
Maximum Instantaneous Forward Voltage IF= 0.1mA IF= 10mA IF= 250mA	VF	250 450 1000	mVolts
Maximum Average Reverse Current at VR= 75V	IR	5.0	uAmps

- NOTES : 1. Measured at 1.0 MHz and applied reverse voltage of 1.0 volts.
2. Measured at applied forward current of 10mA and reverse current of 10mA.
3. ESD sensitive product handling required.