

勝特力材料 886-3-5753170
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[Http://www.100y.com.tw](http://www.100y.com.tw)



CHENMKO ENTERPRISE CO.,LTD

Halogens free devices

SURFACE MOUNT

SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 20 - 60 Volts CURRENT 3.0 Amperes

SBM32TGP-A

THRU

SBM310TGP-A

FEATURES

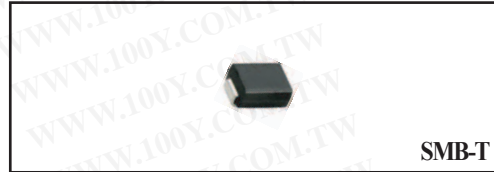
- * Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- * Schottky barrier rectifier
- * Low forward voltage
- * Reverse energy tested
- * High current capability

MECHANICAL DATA

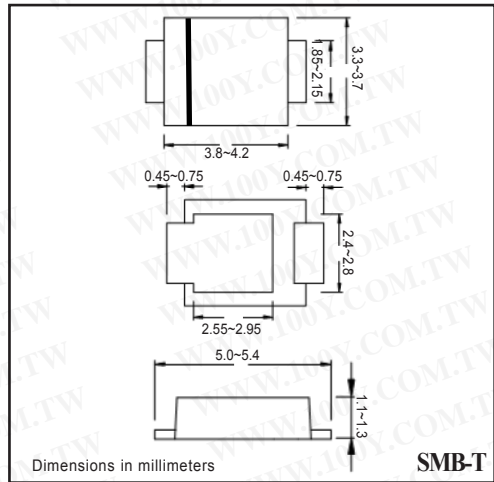
Case: JEDEC SMB-T molded plastic
Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
Polarity: Color band denotes cathode end

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%.



SMB-T



Dimensions in millimeters

SMB-T

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

RATINGS	SYMBOL	SBM32TGP-A	SBM34TGP-A	SBM345TGP-A	SBM36TGP-A	SBM310TGP-A	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	20	40	45	60	100	Volts
Maximum RMS Voltage	VRMS	14	28	31.5	48	70	Volts
Maximum DC Blocking Voltage	VDC	20	40	45	60	100	Volts
Maximum Average Forward Rectified Current	Io	3.0					Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	100					Amps
Typical Thermal Resistance	RθJL	16					°C / W
Operating Temperature Range	TJ	-55 to +125					°C
Storage Temperature Range	TSTG	-55 to +150					°C

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

CHARACTERISTICS	SYMBOL	SBM32TGP-A	SBM34TGP-A	SBM345TGP-A	SBM36TGP-A	SBM310TGP-A	UNITS
Maximum Instantaneous Forward Voltage at 3.0 A DC	VF	0.50			0.75	0.85	Volts
Maximum Average Reverse Current	IR	0.5					mAmps
at Rated DC Blocking Voltage		20			10		mAmps

RATING CHARACTERISTIC CURVES (SBM32TGP-A THRU SBM310TGP-A)

Fig.1-Forward Derating Curve

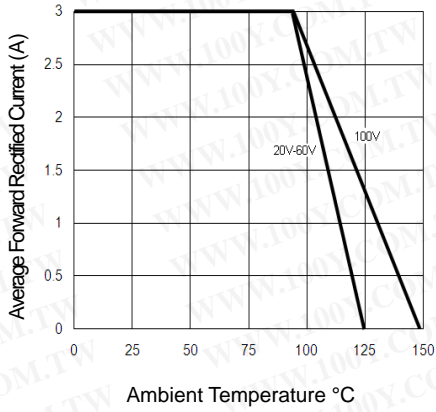


Fig.2-Peak Forward Surge Current

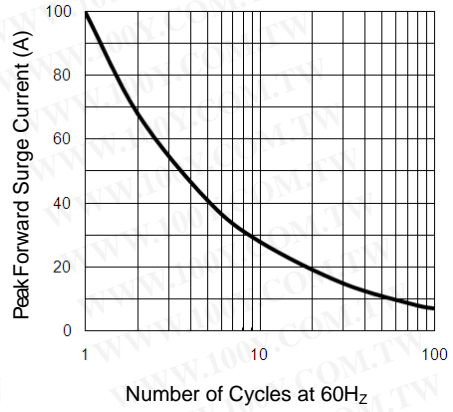


Fig.3-Typical Forward Voltage Characteristic

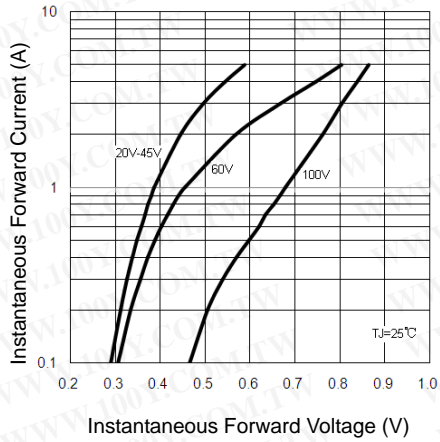
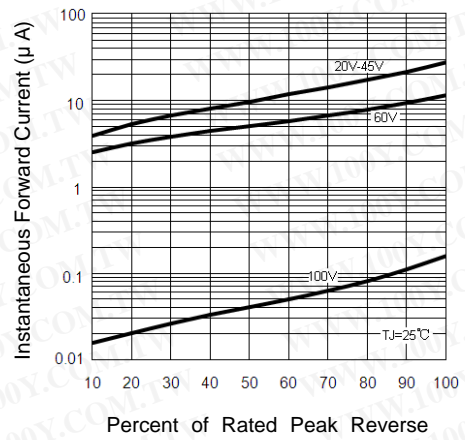


Fig.4-Typical Reverse Characteristic

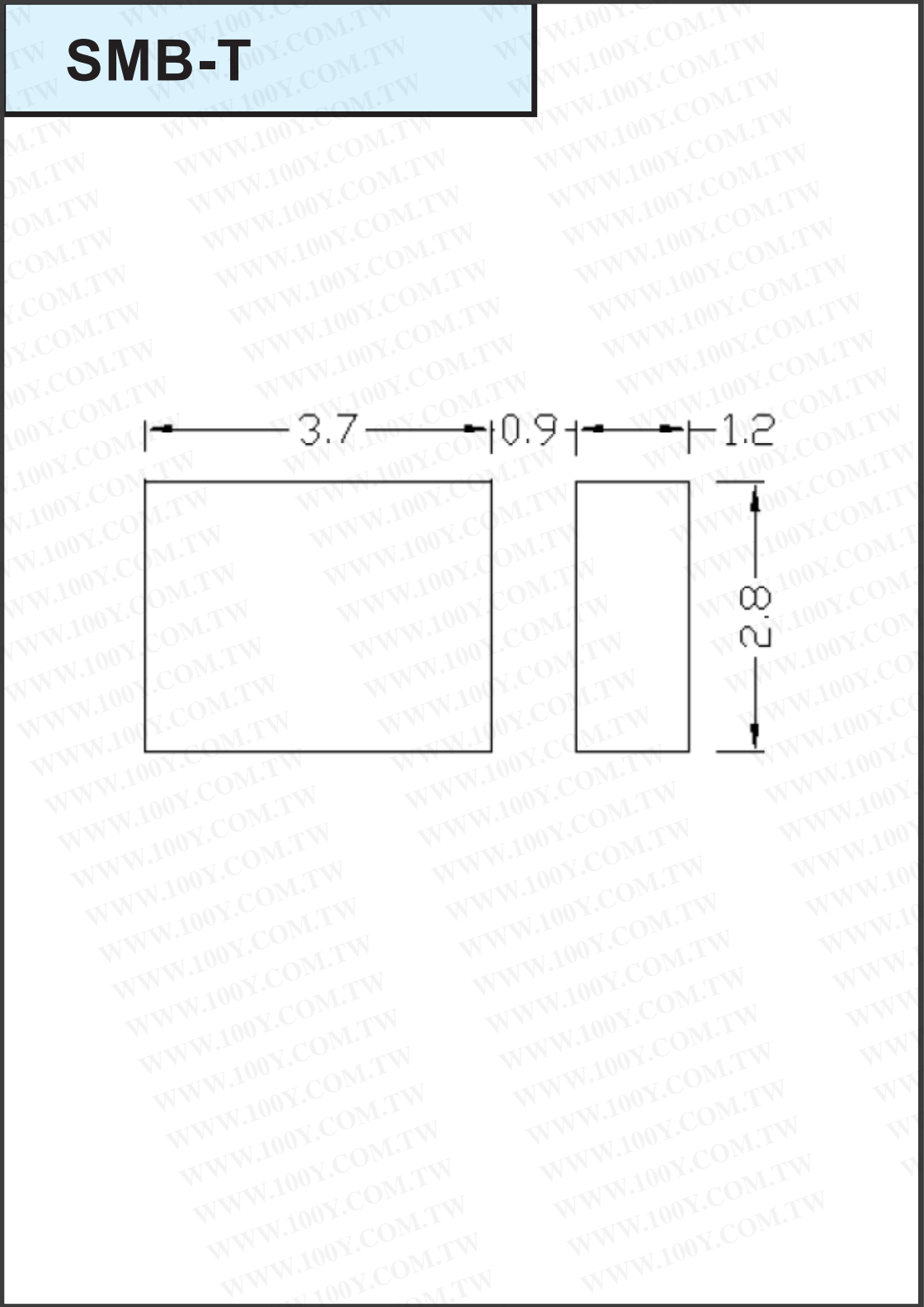




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SURFACE MOUNT
RECOMMENDED FOOT PRINT
all dimensions in mm

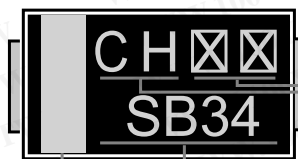
SMB-T





CHENMKO ENTERPRISE CO.,LTD

The Marking and Part No. for SBM34TGP-A



Control code

Company symbol

Part No.

Cathode band

Control code:

* First Digital(X1): Year code

Example : 2014-----4
2015-----5

* Second letter(X2): Month code

Example : Jan-----a
Feb-----b

PART No.:

SB34

└─── Marking Code

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