



BAS16TG

SURFACE MOUNT SWITCHING DIODES

VOLTAGE 100 Volts **POWER** 200mWatts

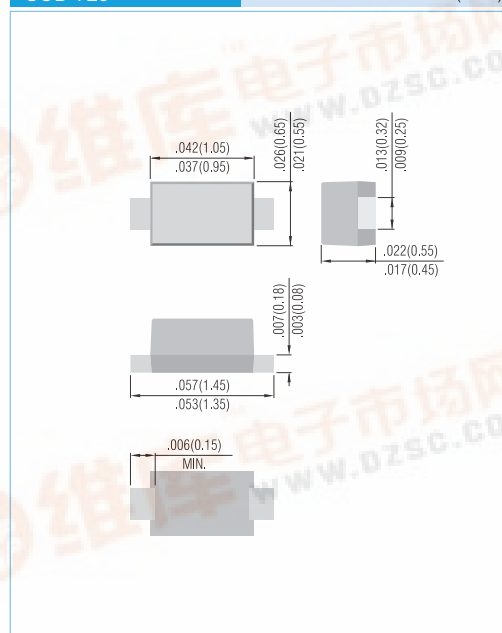
FEATURES

- Fast switching speed.
- Surface mount package Ideally Suited for Automatic insertion
- High Conductance
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

- Case : SOD-723, Plastic
- Terminals : Solderable per MIL-STD-750, Method 2026
- Approx. Weight : 0.0007gram
- Marking : BB

SOD-723 Unit: inch (mm)



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. For capacitive load, derate current by 20%.

PARAMETER	SYMBOL	BAS16TG	UNITS
Reverse Voltage	V_R	75	V
Peak Reverse Voltage	V_{RM}	100	V
RMS Voltage	V_{RMS}	50	V
Maximum DC Blocking Voltage	V_{DC}	75	V
Maximum Average Forward Current at Ta=25°C	$I_{F(AV)}$	125	mA
Peak Forward Surge Current, 1.0us	I_{FSM}	2	A
Power Dissipation Derate Above 25°C	P_{TOT}	200	mW
Maximum Forward Voltage	V_F	1.0@10mA	V
Maximum DC Reverse Current at Rated DC Blocking Voltage Tj= 25°C	I_R	1.0@75V	uA
Junction Capacitance	C_J	2.0	pF
Maximum Reverse Recovery	T_{RR}	4.0	ns
Maximum Thermal Resistance	$R_{\theta JA}$	833	°C / W
Storage Temperature Range	T_J	-55 to +150	°C

BAS16TG

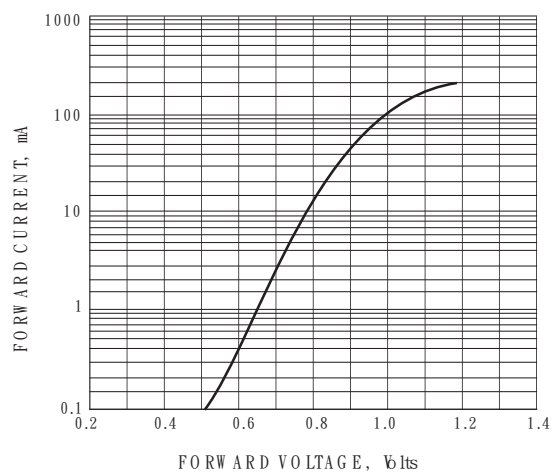


FIG. 1 TYPICAL FORWARD CHARACTERISTIC

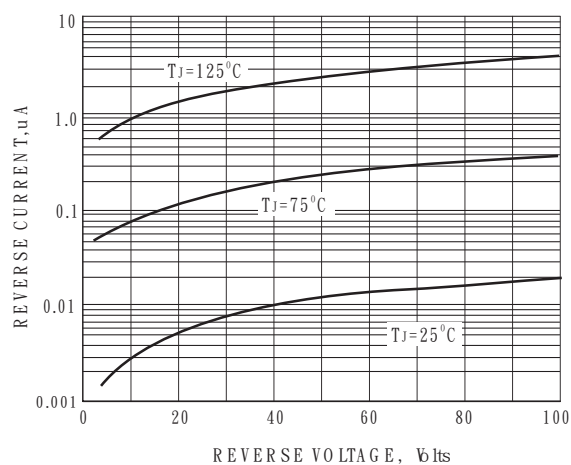


FIG. 2 TYPICAL REVERSE CHARACTERISTICS

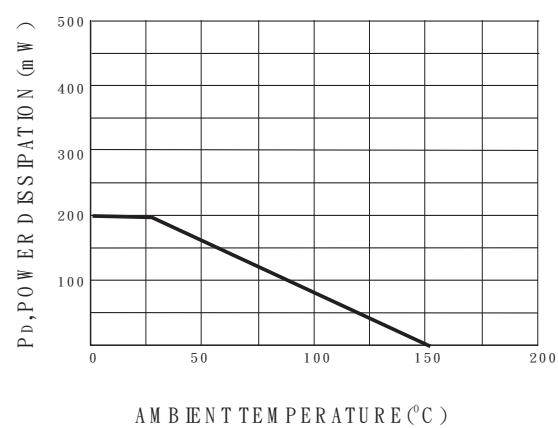


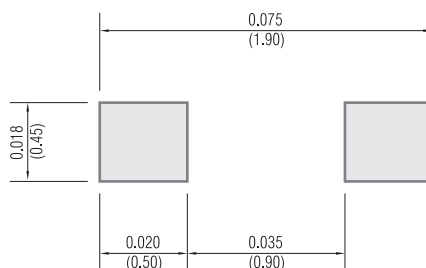
FIG. 3 POWER DERATING CURVE

BAS16TG

MOUNTING PAD LAYOUT

SOD-723

Unit: inch (mm)



ORDER INFORMATION

- Packing information

T/R - 8K per 7" plastic Reel

LEGAL STATEMENT

Copyright PanJit International, Inc 2007

The information presented in this document is believed to be accurate and reliable. The specifications and information herein are subject to change without notice. Pan Jit makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose. Pan Jit products are not authorized for use in life support devices or systems. Pan Jit does not convey any license under its patent rights or rights of others.