PANJIT SEMI CONDUCTOR

BAS16TG

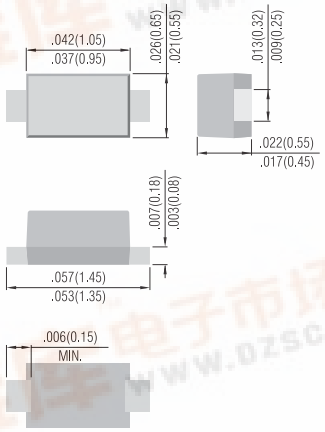
SURFACE MOUNT SWITCHING DIODES

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

SOD-723 Unit: inch (mm)



MECHANICAL DATA

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

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 T_J= 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

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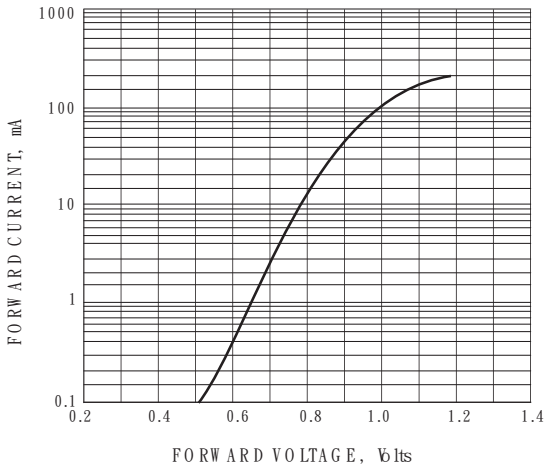

FIG. 1-TYPICAL FORWARD CHARACTERISTIC

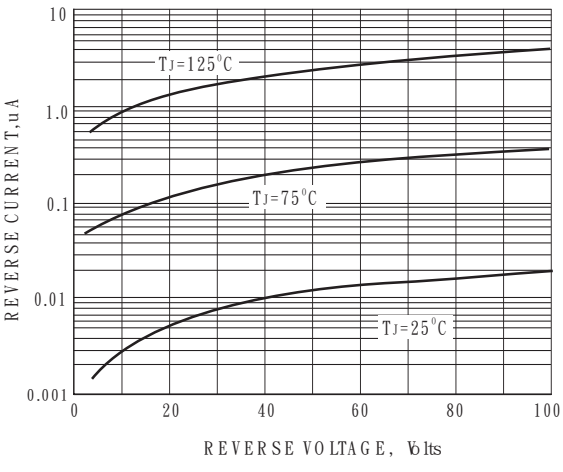

FIG. 2-TYPICAL REVERSE CHARACTERISTICS

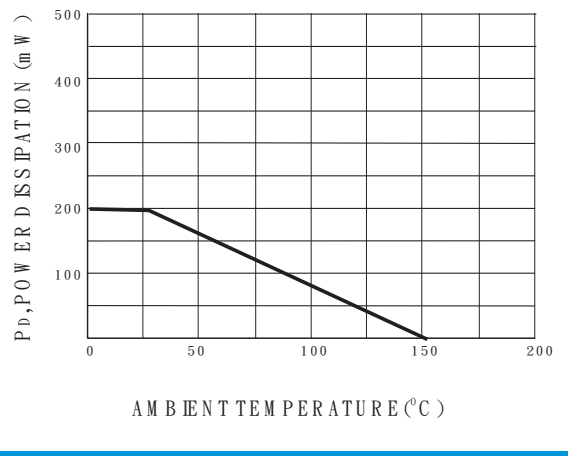

FIG. 3 POWER DERATING CURVE

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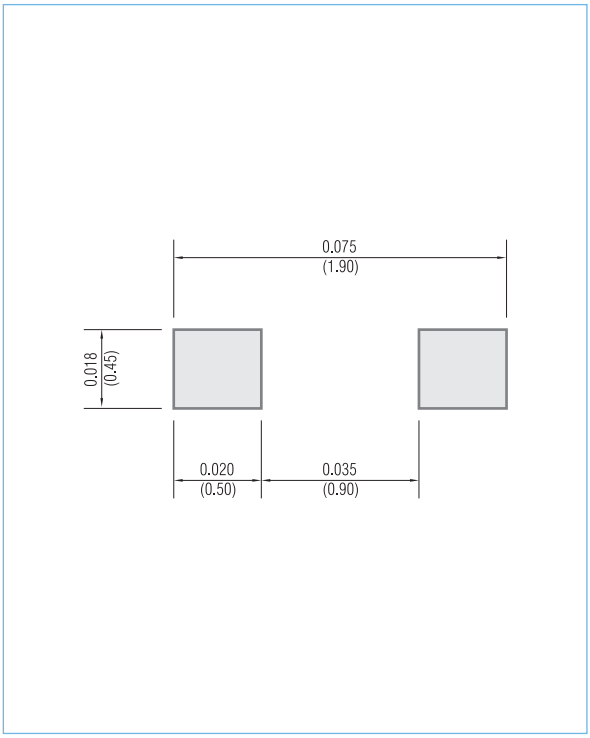
MOUNTING PAD LAYOUT

SOD-723 Unit: inch (mm)



ORDER INFORMATION

- Packing information

  T/R - 8K per 7" plastic Reel

LEGAL STATEMENT