



# BAS16TG

## SURFACE MOUNT SWITCHING DIODES

**VOLTAGE** 100 Volts **POWER** 200mWatts

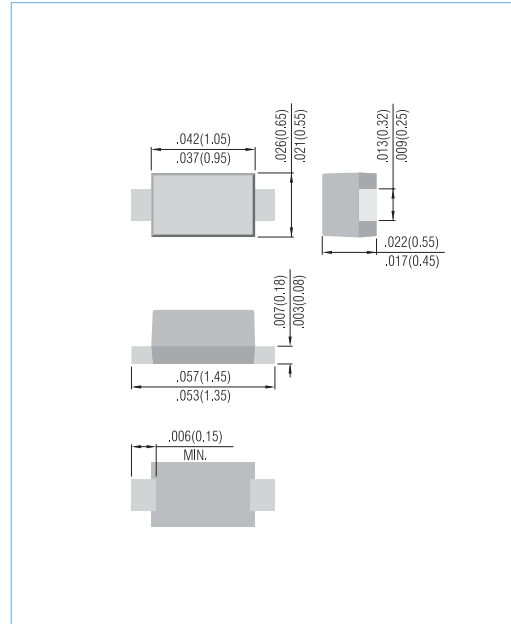
SOD-723 Unit: inch ( mm )

### 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



### 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



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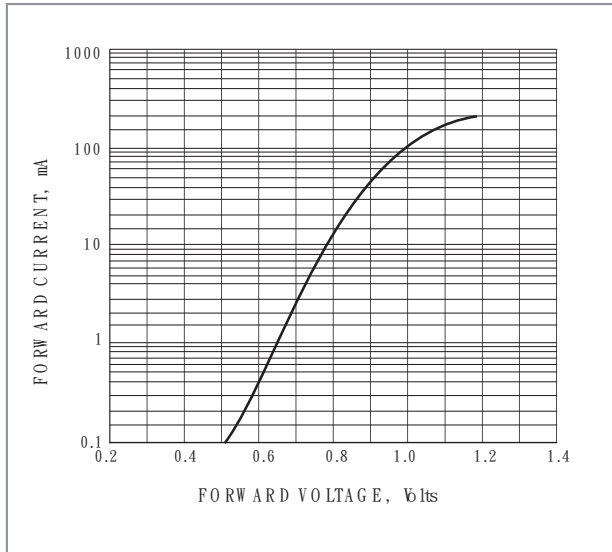


FIG. 1 TYPICAL FORWARD CHARACTERISTIC

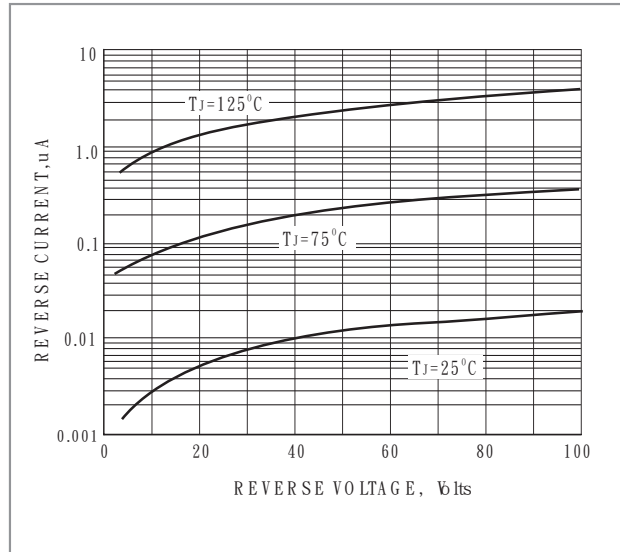


FIG. 2 TYPICAL REVERSE CHARACTERISTICS

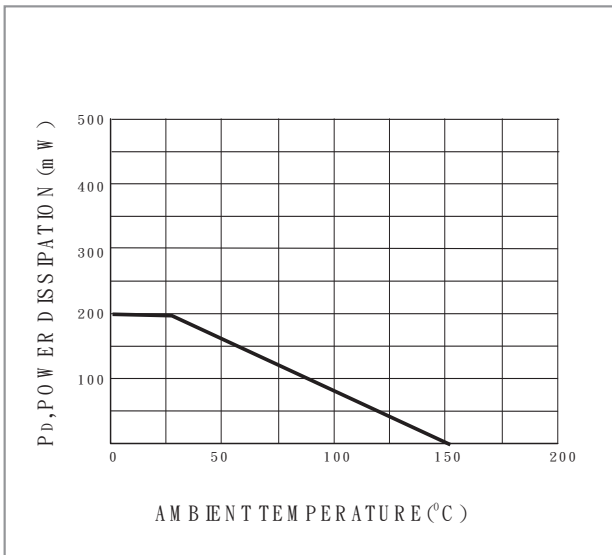


FIG. 3 POWER DERATING CURVE

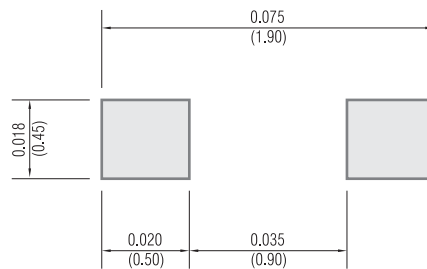


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## MOUNTING PAD LAYOUT

SOD-723

Unit: inch ( mm )



## ORDER INFORMATION

- Packing information

T/R - 8K per 7" plastic Reel

## LEGAL STATEMENT

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