



MMBD4448TG

SURFACE MOUNT SWITCHING DIODES

VOLTAGE 100 Volts **POWER** 200mWatts

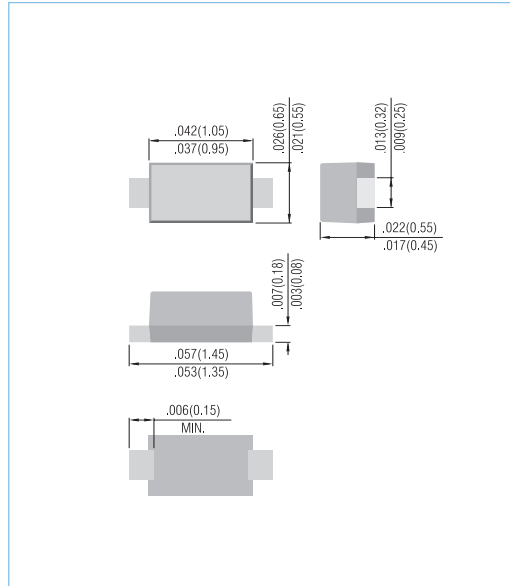
SOD-723 Unit: inch (mm)

FEATURES

- Fast switching Speed.
- Electrically Identical to Standard JEDEC
- High Conductance
- Surface Mount Package Ideally Suited for Automatic Insertion.
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

Case: SOD-723 plastic case.
 Terminals : Solderable per MIL-STD-750, Method 2026
 Weight: approximately 0.00077gram
 Polarity : Color band cathode
 Marking : BJ

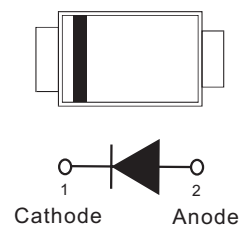


MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T_J = 25°C unless otherwise noted)

PARAMETER	SYMBOL	MMBD4448TG	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 T _a = 25°C	I _{F(AV)}	150	mA
Peak Forward Surge Current, 0.001ms	I _{FSM}	4	A
Power Dissipation Derate Above 25°C	P _{TOT}	200	mW
Maximum Forward Voltage	V _F	0.72 / 5mA 1.0 / 100mA	V
Maximum DC Reverse Current at Rated DC Blocking Voltage T _J = 25°C	I _R	2.5 @ 75V	uA
Junction Capacitance(Notes1)	C _J	4.0	pF
Maximum Reverse Recovery (Notes2)	T _{RR}	4.0	ns
Typical Thermal Resistance	R _{θJA}	625	°C / W
Junction and Storage Temperature Range	T _J	-55 to +150	°C

NOTE:

1. C_J at V_R = 0, f = 1MHz
2. From I_F = 10mA to I_R = 1mA, V_R = 6Volts, R_L = 100Ω





MMBD4448TG

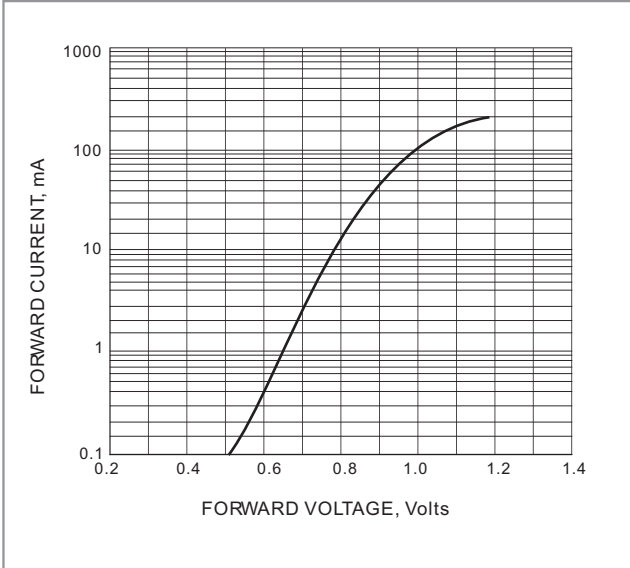


FIG. 1-TYPICAL FORWARD CHARACTERISTIC

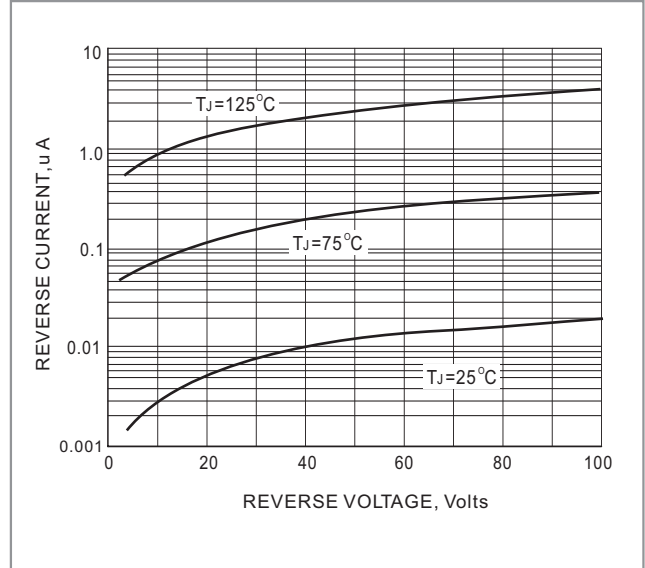


FIG. 2-TYPICAL REVERSE CHARACTERISTICS

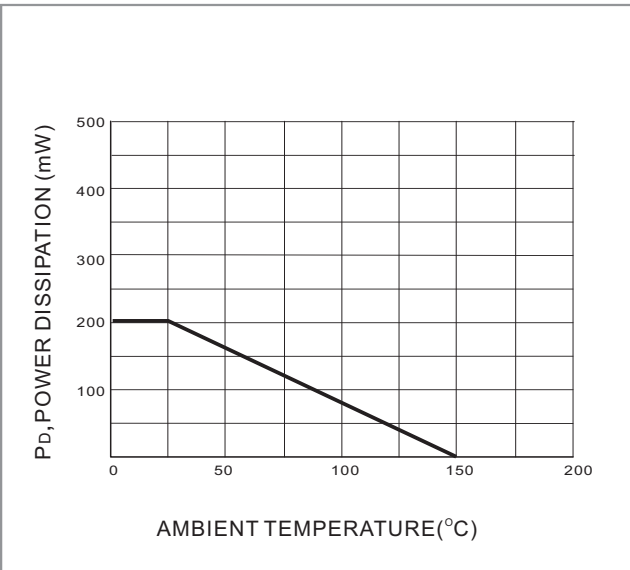


FIG. 3 POWER DERATING CURVE

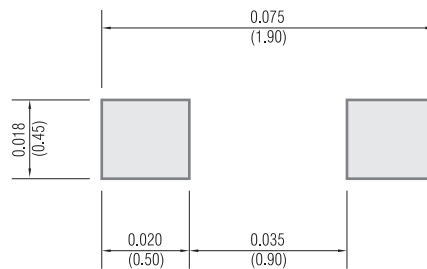


MMBD4448TG

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 2009

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.