



Micro Commercial Components

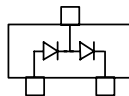


Micro Commercial Components
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Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
Low Current Leakage
Low Cost
Small Outline Surface Mount Package
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1
Marking : M5C/ T3

Pin Configuration Top View



Maximum Ratings

- Operating Temperature: -55°C to +150°C
Storage Temperature: -55°C to +150°C
Maximum Thermal Resistance: 556°C/W Junction To Ambient

Electrical Characteristics @ 25°C Unless Otherwise Specified

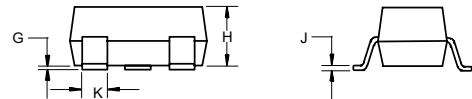
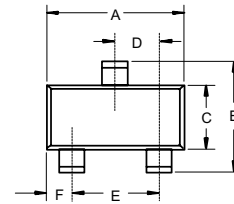
Table with 4 columns: Parameter, Symbol, Value, and Notes. Rows include Reverse Voltage (VR=100V), Average Rectified Output Current (IO=200mA), Peak Forward Surge Current (IFSM=0.5A), Maximum Instantaneous Forward Voltage (VF=820mV), Maximum DC Reverse Current (IR=1.0µA), Maximum Junction Capacitance (CJ=2pF), and Reverse Recovery Time (Trr=4nS).

*Pulse test: Pulse width 300 µsec, Duty cycle 2%

MMBD7000

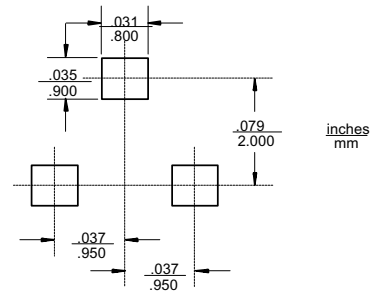
225mW 100Volt Dual Switching Diode

SOT-23



Dimension table with columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows A through K provide specific measurements for the package.

Suggested Solder Pad Layout



MMBD7000

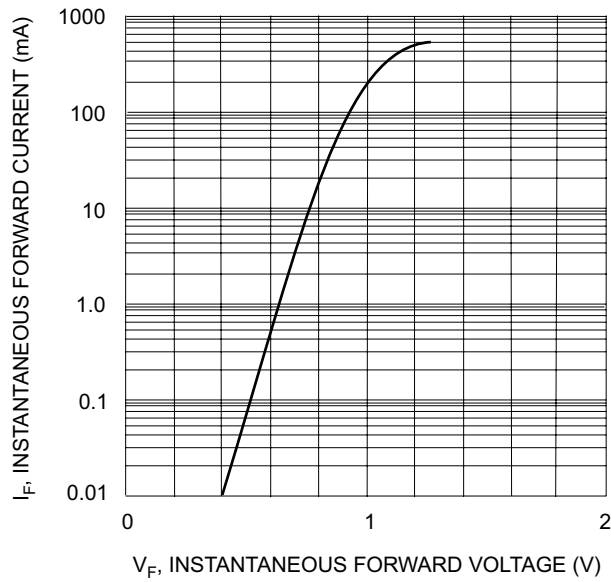


Fig. 1 Forward Characteristics

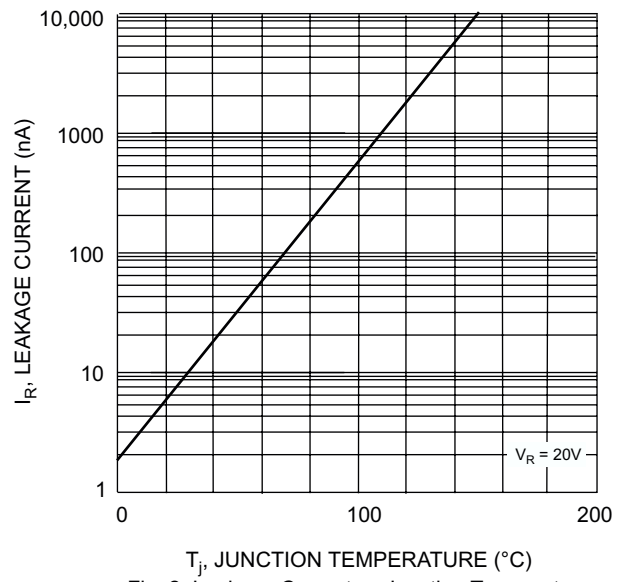


Fig. 2 Leakage Current vs Junction Temperature



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Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;3Kpcs/Reel

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