



Micro Commercial Components



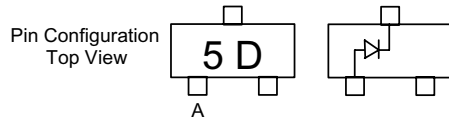
Micro Commercial Components
20736 Marilla Street Chatsworth
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Phone: (818) 701-4933
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MMBD914

350mW 100 Volt
Silicon Epitaxial Diode

Features

- Low Current Leakage
Low Cost
Small Outline Surface Mount Package
Lead Free Finish/Rohs Compliant ("P" Suffix designates RoHS Compliant. See ordering information)



Maximum Ratings

- Operating Temperature: -55°C to +150°C
Storage Temperature: -55°C to +150°C
Maximum Thermal Resistance; 357K/W Junction To Ambient
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, and Notes. Rows include Reverse Voltage (VR=75V), Peak Reverse Voltage (VRM=100V), Average Rectified Current (IO=150mA), Power Dissipation (PTOT=350mW), Junction Temperature (TJ=175°C), Peak Forward Surge Current (IFSM=1.0A), Maximum Instantaneous Forward Voltage (VF=.855V), Maximum DC Reverse Current (IR=25nA), Typical Junction Capacitance (CJ=2pF), and Reverse Recovery Time (Trr=4nS).

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

SOT-23

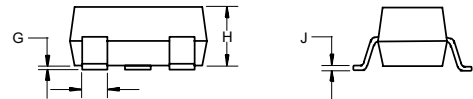
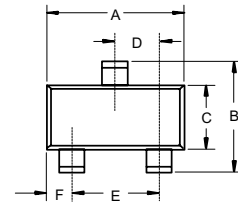
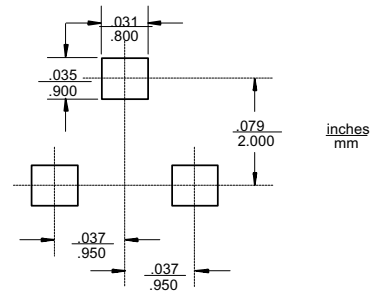


Table titled 'DIMENSIONS' with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows list dimensions A through K with their respective min/max values in inches and mm.

Suggested Solder Pad Layout



MMBD914

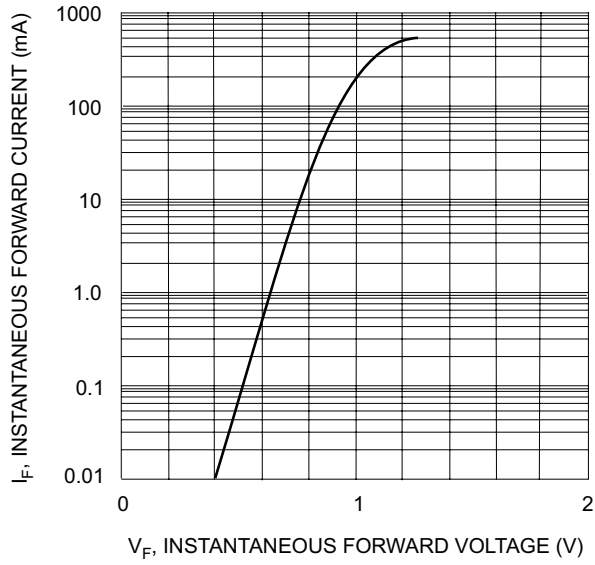


Fig. 1 Forward Characteristics

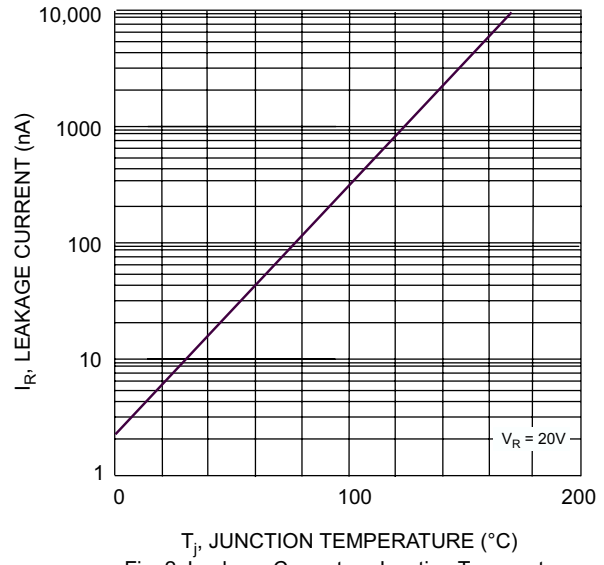


Fig. 2 Leakage Current vs Junction Temperature



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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