

**Micro Commercial Components** 

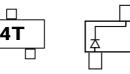


Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

## **Features**

- High Efficiency UHF and VHF Detector Applications.
- Low Capacitance and Low Reverse Leakage
- Extremely Low Minority Carrier Lifetime 15ps (Typ)
- Lead Free Finish/Rohs Compliant ("P"Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

Pin Configuration Top View



## **Maximum Ratings**

- Operating Temperature: -55℃ to +125℃
- Storage Temperature: -55℃ to +150℃

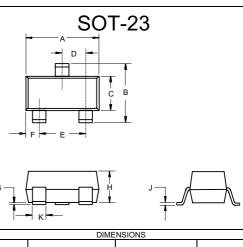
Rating	Symbol	Value	Unit
Reverse Voltage	V <sub>R</sub>	30	V
Forward Power Dissipation @ $T_A = 25^{\circ}C$ Derate above $25^{\circ}C$	P <sub>TOT</sub>	200 2.0	mW mW/℃

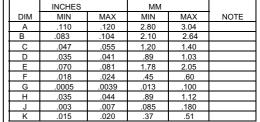
## Electrical Characteristics @ 25°C Unless Otherwise Specified

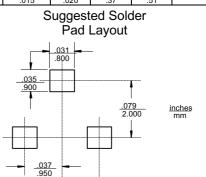
Characteristic	Symbol	Min	Тур	Max	Test Cond.
Reverse Breakdown Voltage	V <sub>(BR)R</sub>	30V			I <sub>R</sub> =10μΑ T <sub>A</sub> = 25℃
Forward Voltage	VF		0.52V 0.38V	0.60V 0.45V	I <sub>FM</sub> = 10mA; I <sub>FM</sub> =1.0mA;
Reverse Leakage	I <sub>R</sub>		13nA	200nA	V <sub>R</sub> =25Volts
Junction Capacitance	CJ		0.9pF	1.5pF	Measured at f=1.0MHz, V <sub>R</sub> =15V

# 30 Volts Schottky Barrier Diodes

**MMBD301** 







<u>.037</u> 950

# www.mccsemi.com

## MMBD301



**Micro Commercial Components** 

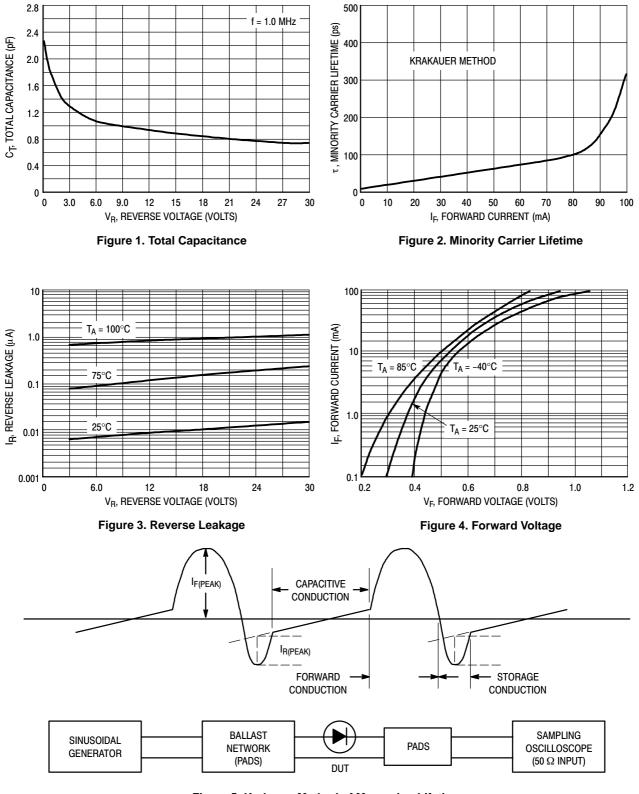


Figure 5. Krakauer Method of Measuring Lifetime

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## **Ordering Information :**

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

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

#### **\*\*\*IMPORTANT NOTICE\*\*\***

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MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

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