

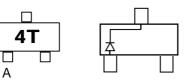
Micro Commercial Components



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



Maximum Ratings

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

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

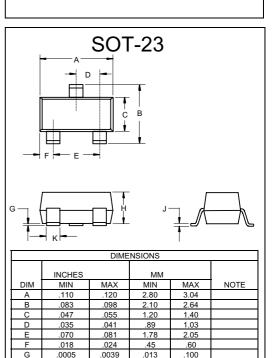
Electrical Characteristics @ 25°C Unless Otherwise Specified

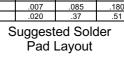
Characteristic	Symbol	Min	Тур	Max	Test Cond.
Reverse Breakdown Voltage	V _{(BR)R}	30V			I _R =10μΑ T _A = 25℃
Forward Voltage	VF		0.52V 0.38V	0.60V 0.45V	I _{FM} = 10mA; I _{FM} =1.0mA;
Reverse Leakage	I _R		13nA	200nA	V _R =25Volts
Junction Capacitance	CJ		0.9pF	1.5pF	Measured at f=1.0MHz, V _R =15V

MMBD301

Pin Configuration Top View

30 Volts Schottky Barrier Diodes





.89

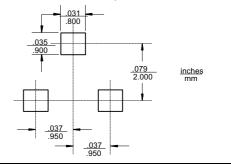
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MMBD301



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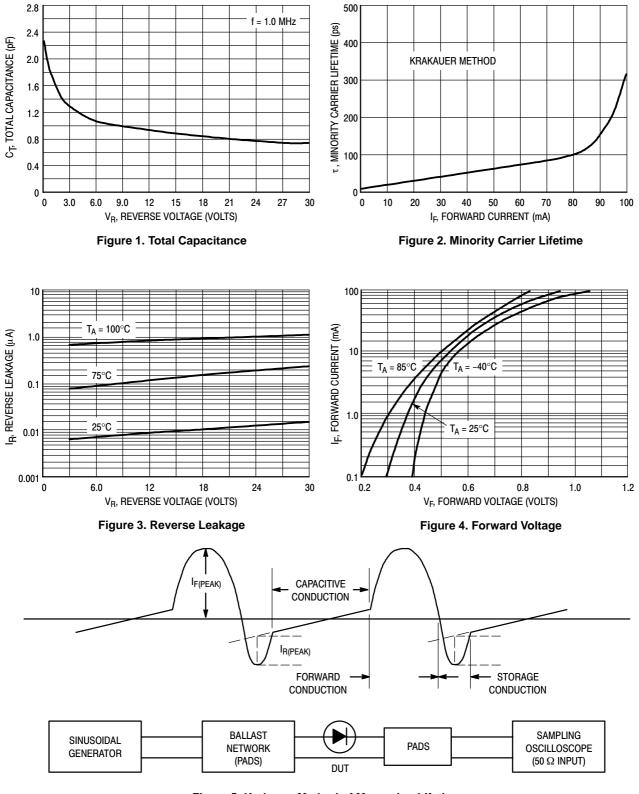


Figure 5. Krakauer Method of Measuring Lifetime

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Ordering Information :

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

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