

Micro Commercial Components

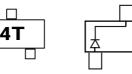


Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

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℃

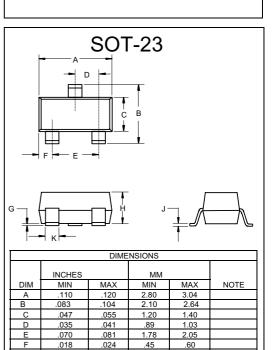
| Rating | Symbol | Value | Unit |
|-------------------------------------------------------------------------|------------------|------------|------------|
| Reverse Voltage | V _R | 30 | V |
| Forward Power Dissipation @ $T_A = 25^{\circ}C$ Derate above 25°C | P _{TOT} | 200 2.0 | mW mW/℃ |

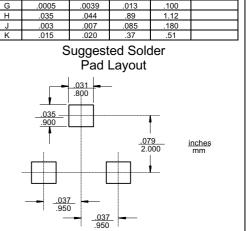
Electrical Characteristics @ 25°C Unless Otherwise Specified

| 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 |

30 Volts Schottky Barrier Diodes

MMBD301





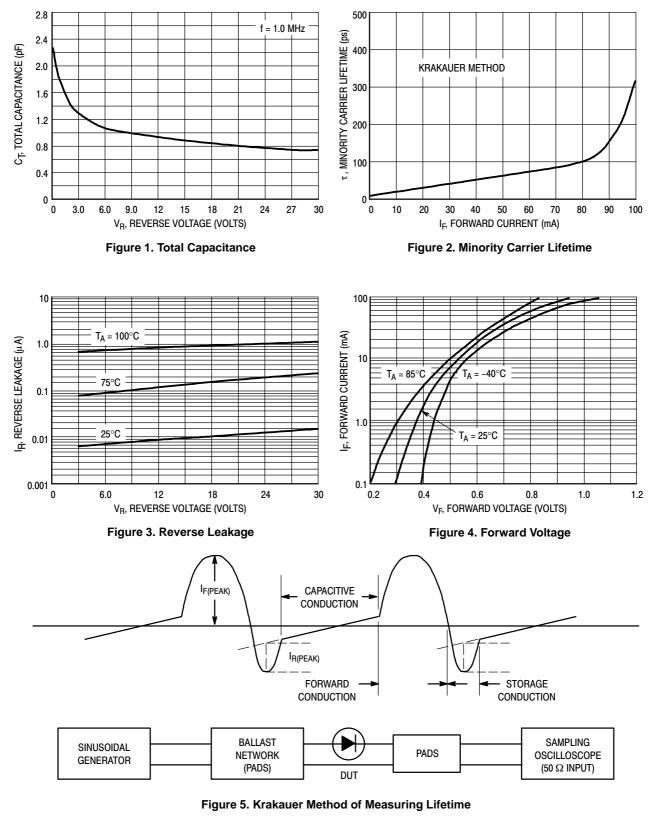
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Revision: C

MMBD301



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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

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