

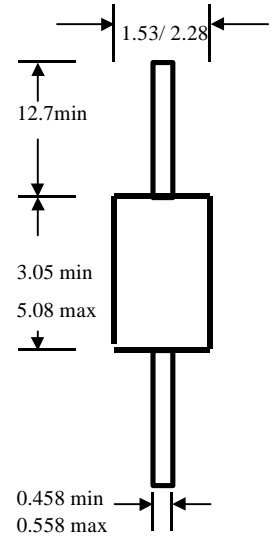
Switching Diode

FEATURES

- Qualified to ESA/SCC 5101/025
- Metallurgical Bond
- DO-35 Package
- Hermetically Sealed Glass Package

MAXIMUM RATINGS

Operating Temperature: -55°C to +200°C
 Storage Temperature: -65°C to +200°C
 Thermal Impedance: 25°C/W max. (See Note 3)
 Thermal Resistance: 250°C/W max.
 Total Power Dissipation: 500mW
 DC Reverse Voltage: 50V
 Breakdown Voltage: 75V nom.



Dimensions in Millimetres

ELECTRICAL CHARACTERISTICS at 25°C unless otherwise specified.

| I_R @ 50V dc | | V_{BR} @ 5uA | | V_F @ 50mA | | I_R @ 50V dc, T _A = 150°C | |
|----------------------------------|-----|--------------------------------|-----|--------------------------------|-----|---|-----|
| nA | | V | | V | | uA | |
| min | max | min | max | min | max | min | max |
| | 50 | 75 | | | 1.0 | | 50 |

| Capacitance (Note 2) | | t_{RR} (Note 1) | |
|--------------------------------|-----|-----------------------------------|-----|
| pF | | nsec | |
| min | max | min | max |
| | 2.0 | | 4 |

NOTE 1: I_F = - I_{RM} = 10 - 200mA, i_{RR} = 1/10 I_F, R_L = 100Ω

NOTE 2: V_R = 0V, f = 1MHz.

NOTE 3: Thermal Impedance Conditions as follows:
 I_H = 300mA, I_M = 1mA, t_H = 10mS, t_{MD} = 70uS

MECHANICAL CHARACTERISTICS

CASE: Hermetically Sealed
 Glass Package.

LEAD MATERIAL: Cu clad steel
 LEAD FINISH: L4 (solder dipped)

MARKING: Alpha numeric.

POLARITY: Cathode Band.

Datasheet: MSC0314A

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