

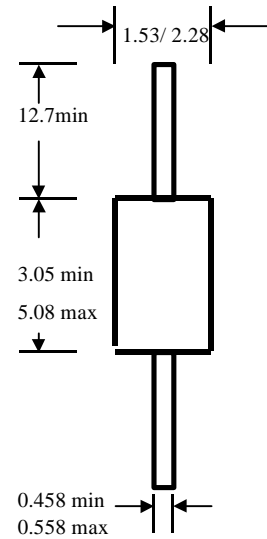
Switching Diode

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

Industrial Estate, Gort Road, Ennis, Co. Clare, Ireland.

- Tel : 353 - 65 - 40044
- Fax : 353 - 65 - 22298
- Email sales@msc-ireland.ie