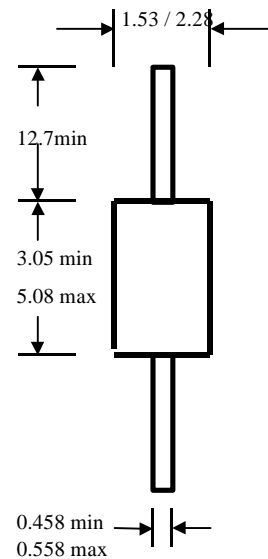


FEATURES

- Qualified to ESA/SCC 5101/023
- Metallurgical Bond
- DO-35 Package
- Hermetically Sealed Glass Package

MAXIMUM RATINGS

Operating Temperature: -65°C to +175°C
 Storage Temperature: -65°C to +175°C
 Surge Current, 1.0us: 2.0A
 Thermal Impedance: 25°C/W max. (See Note 4)
 Thermal Resistance: 250°C/W max.
 Total Power Dissipation: 500mW
 Continuous D.C. Forward Current: 200mA



Dimensions In Millimetres

ELECTRICAL CHARACTERISTICS at 25oC unless otherwise specified.

I_R @ 20V dc		I_R @ 75V dc		V_{BR} @ 100uA		V_F @ I_F = 10mA		I_R @ 75V dc, T_A = 150°C	
nA		uA		V		V dc		uA	
min	max	min	max	min	max	min	max	min	max
	25		0.5	100			1.0		100

Capacitance (Note 3)		t_{RR} (Note 1)		t_{FR} (Note 2)	
pF		nsec		nsec	
min	max	min	max	min	max
	4.0		5		20

- NOTE 1: I_F = 10mA, V_R = 6V, i_{RR} = 1mA, R_L = 100Ω
 NOTE 2: I_F = 50mA dc
 NOTE 3: V_R = 0V, f = 1MHz, V_{sig} = 50mV (pk to pk).
 NOTE 4: 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.

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

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