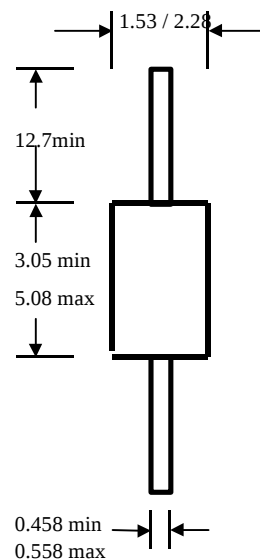


FEATURES

- 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, $T_A = 150^\circ C$	
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: $I_F = 10mA$, $V_R = 6V$, $i_{RR} = 1mA$, $R_L = 100\Omega$
 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.

Datasheet: MSC0312A.PDF

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