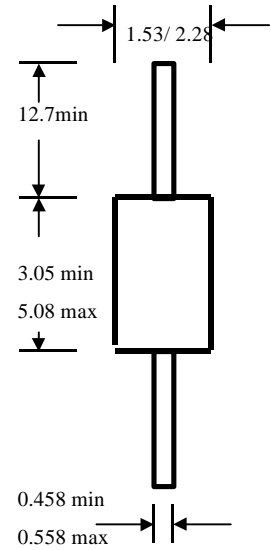


FEATURES

- Qualified to ESA/SCC 5101/024
- 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: 4.0A
 1.0S : 0.5A
 Thermal Impedance: 25°C/W max. (See Note 4)
 Thermal Resistance: 250°C/W max.
 Total Power Dissipation: 500mW
 DC Reverse Voltage: 50V
 Breakdown Voltage: 75V nom.



Dimensions in Millimetres

ELECTRICAL CHARACTERISTICS at 25oC unless otherwise specified.

I_R @ 50V dc		V_{BR} @ 5uA		V_F @ 1mA		V_F @ 10mA		V_F @ $I_F = 200mA$		I_R @ 50V dc, $T_A = 150^\circ C$	
nA		V		V		V		V		uA	
min	max	min	max	min	max	min	max	min	max	min	max
	100	75		0.54	0.62	0.66	0.74	0.87	1.0		100

Capacitance (Note 3)		t_{RR} (Note 1)		t_{RR} (Note 2)	
pF		nsec		nsec	
min	max	min	max	min	max
	4.0		4		6

- NOTE 1: $I_F = - I_{RM} = 10 - 200mA$, $i_{RR} = 1/10 I_F$, $R_L = 100\Omega$
 NOTE 2: $I_F = - I_{RM} = 200 - 400mA$, $i_{RR} = 1/10 I_F$, $R_L = 100\Omega$
 NOTE 3: $V_R = 0V$, $f = 1mhz$.
 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.

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