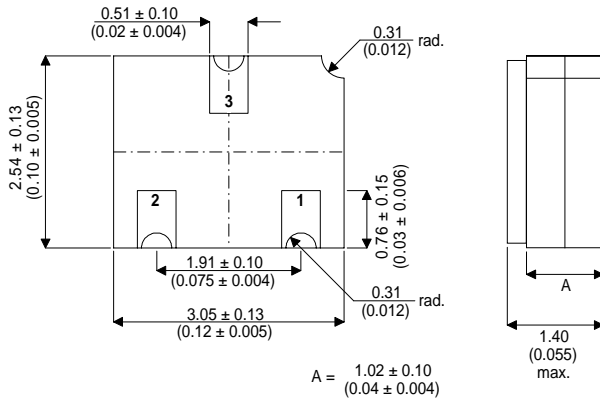


MECHANICAL DATA

Dimensions in mm(inches)



LCC1 PACKAGE
(SOT23 Compatible)

**SWITCHING DIODE IN A
CERAMIC SURFACE MOUNT
PACKAGE
FOR HI-REL APPLICATIONS**

FEATURES

- HERMETIC CERAMIC SURFACE MOUNT PACKAGE
- SCREENING OPTIONS AVAILABLE

Pad 1 – Anode Pad 2 – N/C Pad 3 – Cathode

ABSOLUTE MAXIMUM RATINGS ($T_{case} = 25^{\circ}C$ unless otherwise stated)

V_{BR}	Breakdown Voltage	150V
V_{RWM}	Working Peak Reverse Voltage	125V
$I_{F(AV)}$	Average Forward Current	300mA
$I_{FSM(surge)}$	Repetitive Forward Current	2.5A
T_J	Operating Junction Temperature	-65 to +175°C
T_{STG}	Storage Junction Temperature	-65 to +175°C
$R_{\theta JC}$	Thermal Resistance Junction To Case	20°C/W

ELECTRICAL CHARACTERISTICS ($T_{case} = 25^{\circ}C$ unless otherwise stated)

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V_{F1}	Forward Voltage		0.8		V
I_{R1}	Leakage Current		35		nA
I_{R2}	Leakage Current		0.5		μA
t_{fr}	Forward Recovery Time		20		ns
t_{rr}	Reverse Recovery Time		4.5		ns
C_{T1}	Total Capacitance		2.5		pF

Semelab Plc reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by Semelab is believed to be both accurate and reliable at the time of going to press. However Semelab assumes no responsibility for any errors or omissions discovered in its use. Semelab encourages customers to verify that datasheets are current before placing orders.