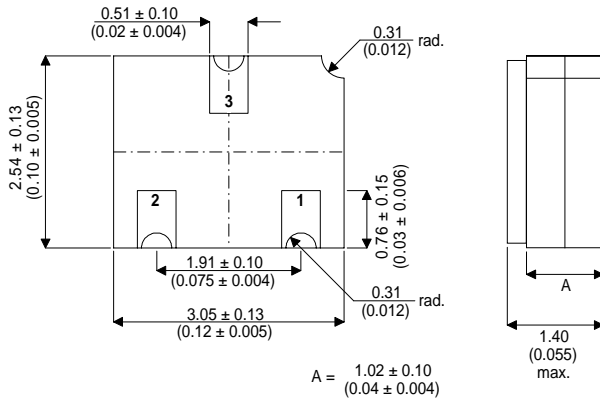


**MECHANICAL DATA**

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.