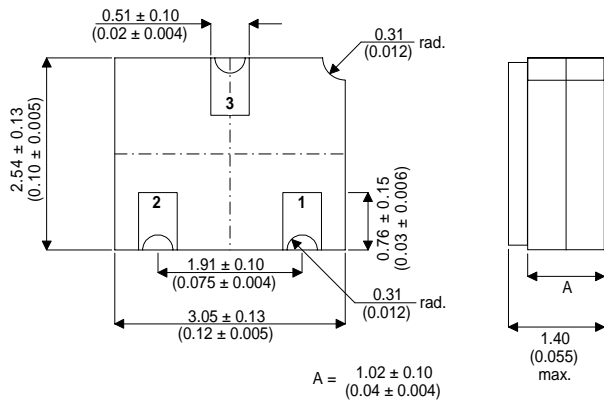


MECHANICAL DATA

Dimensions in mm (inches)



**SCHOTTKY DIODE IN
HERMETIC CERAMIC
SURFACE MOUNT PACKAGE
FOR HIGH RELIABILITY
APPLICATIONS**

**SOT23 CERAMIC
(LCC1 PACKAGE)**

Underside View

PAD 1 — Anode PAD 2 — N/C PAD 3 — Cathode

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

V_{RRM}	Repetitive Peak Reverse Voltage	70V
I_F	Forward Continuous Current $T_A = 25^{\circ}C$	15mA
P_{tot}	Power Dissipation $T_A = 25^{\circ}C$	430mW
T_{case}	Operating Temperature Range	-55 to +125°C
T_{stg}	Storage Temperature Range	-65 to +150°C
R_{th}	Junction-Ambient	400°C/W

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

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
I_R^*	Reverse Current $T_{amb} = 25^{\circ}C$ $V_R = 50V$			0.2	μA
V_F^*	Forward Voltage $T_{amb} = 25^{\circ}C$ $I_F = 1mA$			0.41	V
	$T_{amb} = 25^{\circ}C$ $I_F = 15mA$			1	
$V_{(BR)}$	Breakdown Voltage $T_{amb} = 25^{\circ}C$ $I_R = 10\mu A$	70			V
C	Capacitance $T_{amb} = 25^{\circ}C$ $V_R = 0V$ $f = 1MHz$			2	pF
t	Effective Minority Carrier Lifetime $T_{amb} = 25^{\circ}C$ $I_F = 5mA$			100	ps

* Pulse test $\leq 300\mu s$, $\delta \leq 2\%$