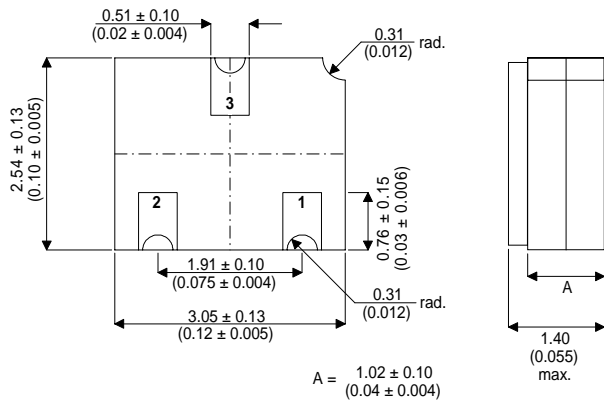


**MECHANICAL DATA**

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<sub>MB</sub> = 25°C unless otherwise stated)

V <sub>RRM</sub>	Repetitive Peak Reverse Voltage	70V
I <sub>F</sub>	Forward Continuous Current T <sub>A</sub> = 25°C	15mA
P <sub>tot</sub>	Power Dissipation T <sub>A</sub> = 25°C	430mW
T <sub>case</sub>	Operating Temperature Range	-55 to +125°C
T <sub>stg</sub>	Storage Temperature Range	-65 to +150°C
R <sub>th</sub>	Junction-Ambient	400°C/W

**ELECTRICAL CHARACTERISTICS** (T<sub>A</sub> = 25°C unless otherwise stated)

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
I <sub>R</sub> *	Reverse Current T <sub>amb</sub> = 25°C    V <sub>R</sub> = 50V			0.2	μA
V <sub>F</sub> *	T <sub>amb</sub> = 25°C    I <sub>F</sub> = 1mA			0.41	V
	T <sub>amb</sub> = 25°C    I <sub>F</sub> = 15mA			1	
V <sub>(BR)</sub>	Breakdown Voltage T <sub>amb</sub> = 25°C    I <sub>R</sub> = 10μA	70			V
C	Capacitance T <sub>amb</sub> = 25°C    V <sub>R</sub> = 0V f = 1MHz			2	pF
t	Effective Minority Carrier Lifetime T <sub>amb</sub> = 25°C    I <sub>F</sub> = 5mA			100	ps

\* Pulse test ≤ 300μs , δ ≤ 2%