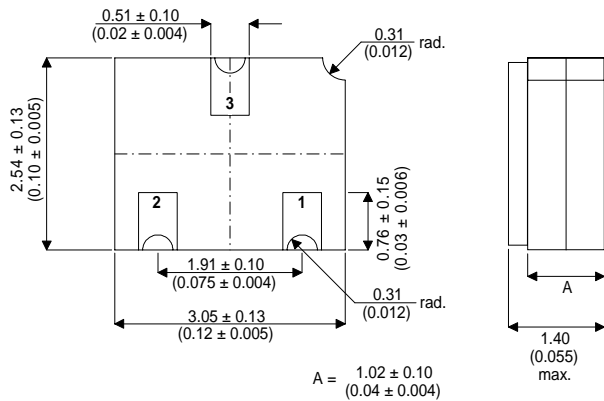


MECHANICAL DATA

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°C unless otherwise stated)

V _{RRM}	Repetitive Peak Reverse Voltage	70V
I _F	Forward Continuous Current T _A = 25°C	15mA
P _{tot}	Power Dissipation T _A = 25°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°C unless otherwise stated)

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
I _R *	Reverse Current T _{amb} = 25°C V _R = 50V			0.2	μA
V _F *	Forward Voltage T _{amb} = 25°C I _F = 1mA			0.41	V
	T _{amb} = 25°C I _F = 15mA			1	
V _(BR)	Breakdown Voltage T _{amb} = 25°C I _R = 10μA	70			V
C	Capacitance T _{amb} = 25°C V _R = 0V f = 1MHz			2	pF
t	Effective Minority Carrier Lifetime T _{amb} = 25°C I _F = 5mA			100	ps

* Pulse test ≤ 300μs , δ ≤ 2%