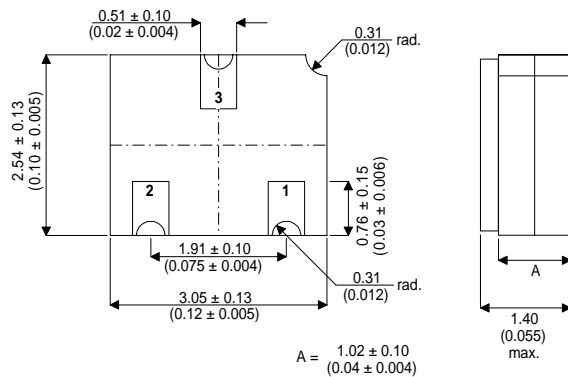


MECHANICAL DATA

Dimensions in mm (inches)



**SOT23 CERAMIC
(LCC1 PACKAGE)**

Underside View

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

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

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

V_{RRM}	Repetitive Peak Reverse Voltage	70V
I_F	Forward Continuous Current $T_A = 25^{\circ}\text{C}$	15mA
P_{tot}	Power Dissipation $T_A = 25^{\circ}\text{C}$	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 ($T_A = 25^{\circ}\text{C}$ unless otherwise stated)

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

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