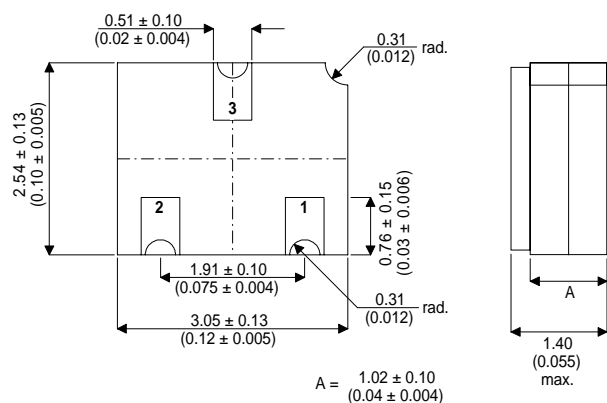


**MECHANICAL DATA**

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

$V_R$	Reverse Voltage		30V
$I_F$	Forward Current <sup>1</sup>	$T_{MB} \leq 25^{\circ}\text{C}$ Derate @ $T_{MB} > 25^{\circ}\text{C}$	200mA See Figure 1
$I_{FM}$	Peak Forward Current		600mA
$T_J$	Maximum Operating Junction Temperature		-55 to +135°C
$T_{STG}$	Storage Temperature Range		-65 to +175°C

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

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
$I_R$	$V_R = 25\text{V}$			2	$\mu\text{A}$
	$V_R = 25\text{V}$ $T_A = 85^{\circ}\text{C}$			100	
$V_F$	$I_F = 1\text{mA}$			0.32	V
	$I_F = 10\text{mA}$			0.40	
	$I_F = 30\text{mA}$			0.50	
$C_O$	$V_R = 0$ $f = 1\text{MHz}$			10	pF
$t_{rr}$	$I_F = 100\text{mA}$ to $I_R = 10\text{mA}$ $R_L = 100\Omega$			5	ns

**Figure 1 – Power Derating Curve**

