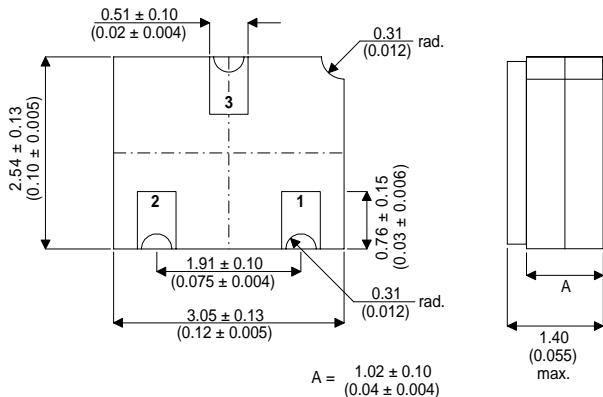


MECHANICAL DATA

Dimensions in mm(inches)



LCC1 PACKAGE
(SOT23 Compatible)

Underside View

Pad 1 – Anode

Pad 2 – N/C

Pad 3 – Cathode

ZENER DIODE IN A CERAMIC SURFACE MOUNT PACKAGE FOR HI-REL APPLICATIONS

FEATURES

- HERMETIC CERAMIC SURFACE MOUNT PACKAGE
- SCREENING OPTIONS AVAILABLE

ABSOLUTE MAXIMUM RATINGS

P_{TOT}	Power Dissipation	$T_{AMB} = 25^\circ C$	500mW
	Derate above $25^\circ C$		2.85mW/ $^\circ C$
T_{TOP}	Maximum Operating Ambient Temperature		-65 to $+200^\circ C$
T_{STG}	Storage Temperature Range		-65 to $+200^\circ C$
$R_{\theta JA}$	Thermal Resistance Junction to Ambient		350 $^\circ C/W$

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

Parameter	Test Conditions	Min.	Typ.	Max.	Units
V_{ZT}	$I_{ZT} = 250\mu A$ @ T_A	11.4	12.0	12.6	V
V_{FT}	$I_F = 200mA$		1.1		
Z_{ZMT}^*	$I_{ZT} = 250\mu A$ @ T_A			200	Ω
I_{ZM}	$P_{TOT} = 500mW$, $V_{ZT} = 12.6V$			39.5	mA
I_R	$V_R = 9.12V$			0.05	μA
α_{VZ}	Temp Coefficient of Zener Voltage			0.065	$%/^\circ C$

* Z_{ZMT} , the zener impedance is derived from the 1kHz voltage created when an AC current with RMS value of $\pm 10\%$ of DC zener test current is superimposed on the test current. I_{ZT}

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