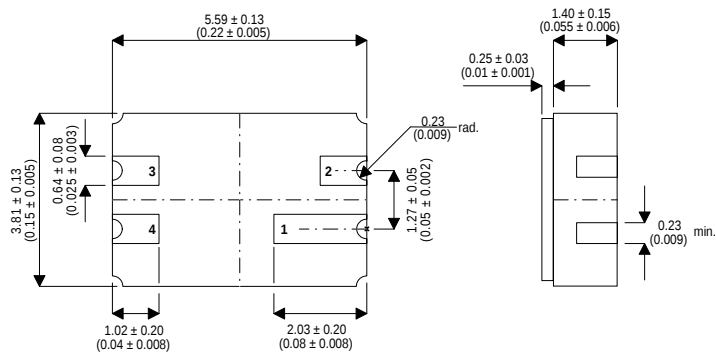


MECHANICAL DATA

Dimensions in mm (inches)



LCC3 PACKAGE Underside View

PAD 1= Cathode PAD 3 = No Connection
PAD 2 = No Connection PAD 4 = Anode

GENERAL PURPOSE SILICON RECTIFIER DIODE

General Purpose Rectifier Diode In A
Hermetic Ceramic Surface Mount Package
for High Reliability Applications

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

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V_R Reverse Voltage				50	V
V_{RRM} Peak Reverse Voltage				50	V
$I_{F(AV)}$ Average Half Wave Rectified Forward Current	$T_{amb} \leq 25^{\circ}\text{C}$			1.0	A
	$T_{amb} = 100^{\circ}\text{C}$			0.75	
I_F D.C Forward Current				1	A
I_{FRM} Repetitive Peak Forward Current				10	A
I_{FSM} Non-Repetitive Peak Forward Current	(half cycle surge , 60 c.p.s)			30	A

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

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V_F Forward Voltage Drop	$I_F = 1\text{A}$			1.1	V
$V_{F(AV)}$ Full-Cycle average forward voltage drop	$I_{F(AV)} = 1\text{A}$			0.8	V
I_R Reverse Current	$V_R = 50\text{ V} , T_{amb} = 25^{\circ}\text{C}$			10	μA
	$V_R = 50\text{ V} , T_{amb} = 100^{\circ}\text{C}$			50	
$I_{R(AV)}$ Full cycle average reverse current	$V_{RRM} = 50\text{ V} , T_{amb} = 75^{\circ}\text{C}$			30	μA