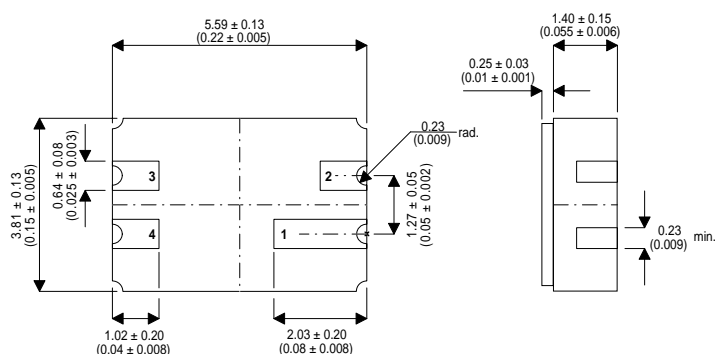


MECHANICAL DATA

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 ($T_{case} = 25^{\circ}C$ 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			1.0	A	
		$T_{amb} \leq 25^{\circ}C$		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 ($T_{case} = 25^{\circ}C$ unless otherwise stated)

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