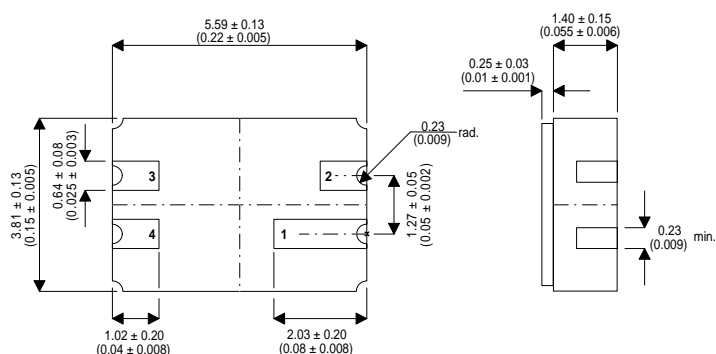


## MECHANICAL DATA

Dimensions in mm (inches)



## GENERAL PURPOSE SILICON RECTIFIER DIODE

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

### LCC3 PACKAGE Underside View

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

### 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			1.0	A
		$T_{amb} \leq 25^{\circ}\text{C}$		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			1.1	V
$V_{F(AV)}$	Full-Cycle average forward voltage drop			0.8	V
$I_R$	Reverse Current	$V_R = 50\text{ V} , T_{amb} = 25^{\circ}\text{C}$		10	$\mu\text{A}$
		$V_R = 50\text{ V} , T_{amb} = 100^{\circ}\text{C}$		50	
$I_{R(AV)}$	Full cycle average reverse current	$V_{RRM} = 50\text{ V} , T_{amb} = 75^{\circ}\text{C}$		30	$\mu\text{A}$