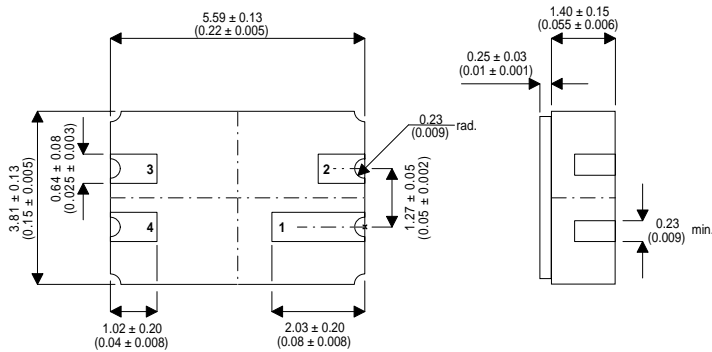


MECHANICAL DATA

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°C unless otherwise stated)

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V _R	Reverse Voltage			50	V
V _{R(RM)}	Peak Reverse Voltage			50	V
I _{F(AV)}	Average Half Wave Rectified Forward Current			1.0	A
		T _{amb} ≤ 25 °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°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 °C		10	μA
		V _R = 50 V , T _{amb} = 100 °C		50	
I _{R(AV)}	Full cycle average reverse current	V _{R(RM)} = 50 V , T _{amb} = 75 °C		30	μA