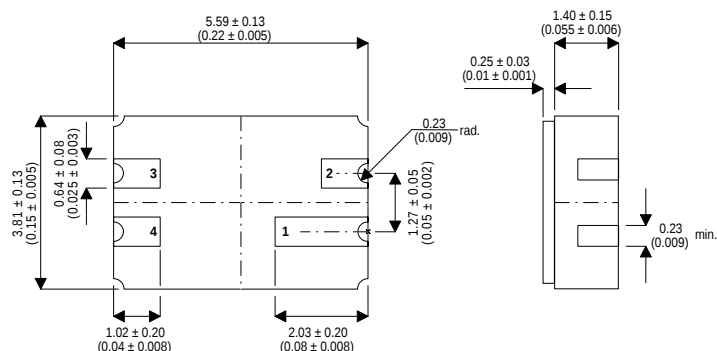


MECHANICAL DATA

Dimensions in mm (inches)



ULTRA FAST RECTIFIER IN A HERMETICALLY SEALED CERAMIC SURFACE MOUNT PACKAGE

FEATURES

- Hermetic LCC3
- $V_{RRM} = 40V$
- $I_{F(AV)} = 1A$
- Screening Options Available

(LCC3 PACKAGE) Underside View

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



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

V_{RRM}	Maximum Repetitive Peak Reverse Voltage	40V
V_{WRM}	Maximum Working Peak Reverse Voltage	40V
$I_{F(AV)}$	Maximum Average Forward Current	1A
I_{FSM}	Maximum Forward Surge Current (Limited by Package)	5A
T_{stg}	Storage Temperature Range	-55 to $+175^{\circ}C$
T_j	Maximum Operating Junction Temperature	$+125^{\circ}C$
$R_{\theta JC}$	Thermal Resistance (Junction-Case)	TBA

ELECTRICAL CHARACTERISTICS $T_{amb} = 25^{\circ}\text{C}$

Parameter		Test Conditions	Min.	Typ.	Max.	Unit
V_F	Forward Voltage	$I_F = 0.1\text{A}$			360	mV
		$I_F = 1\text{A}$			600	
		$I_F = 3.1\text{A}$			900	
I_R	Reverse Current	$V_R = V_{RRMmax}$: note 1			1	mA
		$V_R = V_{RRMmax}$: $T_j = 100^{\circ}\text{C}$			10	

Note

1. Pulsed test: $t_p = 300\mu\text{s}$; $\delta = 0.02$