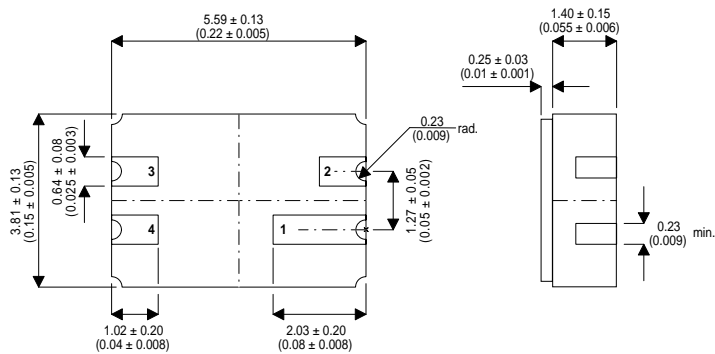


**MECHANICAL DATA**

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°C
$T_j$	Maximum Operating Junction Temperature	+125°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:  $t_p = 300\mu\text{s}$ ;  $\delta = 0.02$

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