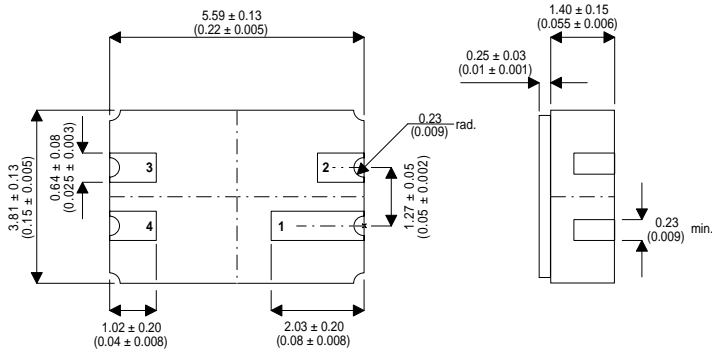


## MECHANICAL DATA

Dimensions in mm (inches)



### (LCC3 PACKAGE) Underside View

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

## ULTRAFAST POWER RECTIFIER DIODE IN CERAMIC SURFACE MOUNT PACKAGE

### FEATURES

- HERMETICALLY SEALED
- LIGHTWEIGHT
- SCREENING OPTIONS AVAILABLE

### APPLICATIONS:

Ideally suited for high voltage, high frequency rectification in surface mount applications where size and weight are critical

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

$V_{RRM}$	Peak Repetitive Reverse Voltage	200
$I_{F(AV)}$	Average Rectified Forward Current	1
$I_{FSM}$	Non-Repetitive Peak Surge Current	40
$T_{stg}$	Storage Temperature Range	-65 to +175 °C
$T_j$	Maximum Junction Temperature	+150°C
$R_{\theta JC}$	Thermal Resistance Junction To Case	20°C/W

### CHARACTERISTICS ( $T_{case} = 25^{\circ}C$ unless otherwise stated)

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
$V_F$	$I_F = 1A$			0.90	V
				$T_J = 150^{\circ}C$	
$I_R$	$V_R = 200 V$			2	$\mu A$
				$T_J = 150^{\circ}C$	
$t_{rr}$	$I_F = 0.5A$ $\delta i/\delta t = 50 A/\mu S$			35	ns
$t_{fr}$	$I_F = 1A$ $\delta i/\delta t = 100 A/\mu S$			25	

\*Pulse test  $t_p=300\mu s$      $\delta \leq 2\%$

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