



## Features

- Small package outline designed for oil submerged or potted pc boards.
- Fast reverse recovery time for high efficiency.
- Molded plastic body, ANSI/UL94 V-0 rated material.
- RoHS compliant to Directive 2011/65/EC, Article 4(1), Annex II; Annex III, 7(a)
- Leads: Tin-plated copper



## Device Electrical Characteristics

(25°C ambient temperature unless stated otherwise)

	Conditions	Symbol	Value
Maximum Repetitive Peak Reverse Voltage		$V_{RRM}$	8,000 Volts
Average Forward Current Maximum	$T_L = 55^\circ\text{C}$	$I_{FAVM}$	40 mA
Maximum Forward Voltage Drop	$I_F = 40 \text{ mA}$	$V_F$	18 Volts
Maximum Reverse Current	$V_R = V_{RRM}$	$I_R$	0.5 $\mu\text{A}$
Maximum Reverse Recovery Time	$I_F = 25\text{mA}; I_R = 50\text{mA}; I_{RT} = 12\text{mA}$	$T_{RR}$	75 nsec
Maximum Surge Current	8.3msec, Half Sine	$I_{FSM}$	3 Amps
Typical Junction Capacitance	$f = 1\text{MHz}, V_R = 0 \text{ VDC}$	$C_j$	0.8 pf
Maximum Junction Temperature	-	$T_J$	150°C
Storage Temperature Range	-	$T_{STG}$	-55°C to 150°C

\*\* Note: Device should not be operated continuously at voltages above 5 KV in air.

## Mechanical Data

	Min.		Max.	
	in.	mm	in.	mm
Body Length	0.160	4.06	0.180	4.57
Body Width	0.108	2.74	0.112	2.84
Body Height	0.081	2.05	0.112	2.85
Lead Characteristics –see drawing below (Dimensions shown in mm)	-	-	-	-

