



## Features

- Ultra 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)



## Device Electrical Characteristics

(25°C ambient temperature unless stated otherwise)

	Conditions	Symbol	Value
Maximum Repetitive Peak Reverse Voltage		$V_{RRM}$	12000 Volts
Average Forward Current Maximum	$T_A = 55^\circ\text{C}$	$I_{FAVM}$	20 mA
Maximum Forward Voltage Drop	$I_F = 20\text{mA}$	$V_F$	27 Volts
Maximum Surge Current Rating	8.3msec, half sine	$I_{FSM}$	3 Amps
Maximum Reverse Current	at rated $V_{RRM}$	$I_R$	0.2 $\mu\text{A}$
Typical Junction Capacitance	$f = 1\text{ MHz}, V_R = 0\text{ V}_{DC}$	$C_J$	0.25 pF
Maximum Reverse Recovery Time	$I_F = 12\text{mA}, I_R = 30\text{mA}, I_{RR} = 6\text{mA}$	$T_{RR}$	20 nsec
Maximum Junction Temperature	-	$T_J$	150°C
Storage Temperature Range	-	$T_{STG}$	-40°C to 150°C

## Mechanical Data

	Symbol	Min.		Max.	
		in.	mm	in.	mm
Body Length	<b>A</b>	-	-	0.4	10.2
Body Diameter	<b>D</b>	-	-	0.1	2.5
Lead Length	<b>B</b>	1.0	25.4	-	-
Lead Diameter	<b>C</b>	-	-	0.021	0.5

