



**Features**

- High Voltage, Fast Recovery, Medium Current
- Molded plastic body, ANSI/UL94 V-0 rated material
- RoHS compliant based on exemption [2011/65/EC, Annex III, 7(a)]



**Device Electrical Characteristics**

(25°C ambient temperature unless stated otherwise)

	Conditions	Symbol	Value
Maximum Repetitive Peak Reverse Voltage	-	$V_{RRM}$	30,000 Volts
Average Forward Current Maximum	$T_A = 55^\circ\text{C}$	$I_{FAVM}$	120 mA
Maximum Forward Voltage Drop	$I_F = 100\text{mA}$	$V_F$	29 Volts
Maximum Surge Current Rating	8.3msec, half sine	$I_{FSM}$	20 Amps
Maximum Reverse Current	at rated $V_{RRM}$	$I_R$	2.0 $\mu\text{A}$
Maximum Reverse Recovery Time	$I_F=100\text{mA}, I_R= 200\text{mA}, I_{RR}= 50\text{mA}$	$T_{RR}$	100 nsec
Typical Junction Capacitance	$f = 1\text{MHz}, V_R= 0\text{VDC}$	$C_J$	5.5 pf
Maximum Junction Temperature	-	$T_J$	125°C
Ambient Operating Temperature Range	-	$T_{STG}$	-55°C to 150°C

**Mechanical Data**

		Min.		Max.	
		in.	mm	in.	mm
Body Length	<b>A</b>	-	-	0.87	22.1
Body Diameter	<b>D</b>	-	-	0.30	7.6
Lead Length	<b>B</b>	.94	23.9	-	-
Lead Diameter	<b>C</b>	-	-	0.050	1.27

