



### Features

- Medium power, Fast recovery device
- 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		$V_{RRM}$	30,000 Volts
Average Forward Current Maximum	$T_A = 40^\circ\text{C}$	$I_{FAVM}$	80 mA
Average Forward Current Maximum	$T_{OIL} = 55^\circ\text{C}$	$I_{FAVM}$	140 mA
Maximum Forward Voltage Drop	$I_F = 140\text{ mA}$	$V_F$	46 Volts
Maximum Reverse Current	$V_R = V_{RRM}$	$I_R$	2.0 $\mu\text{A}$
Maximum Reverse Recovery Time	$I_F = 40\text{mA}; I_R = 80\text{mA}; I_{RR} = 20\text{mA}$	$T_{RR}$	100 $\eta\text{sec}$
Typical Junction Capacitance	$f = 1\text{MHz}, V_R = 0\text{DC}$	$C_j$	1.1pf
Maximum Surge Current	8.3msec, Half Sine	$I_{FSM}$	10 Amps
Maximum Junction Temperature	-	$T_J$	150°C
Storage Temperature Range	-	$T_{STG}$	-55°C to 150°C

### Mechanical Data

		Min.		Max.	
		in.	mm	in.	mm
Body Length	<b>A</b>	-	-	0.60	15.2
Body Diameter	<b>D</b>	-	-	0.170	4.3
Lead Length	<b>B</b>	-	-	0.94	23.9
Lead Diameter	<b>C</b>	0.028	0.7	0.032	0.8

