



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
Max. Repetitive Peak Reverse Voltage		V_{RRM}	8,000 Volts
Average Forward Current Maximum	$T_A = 55^{\circ}\text{C}$	I_{FAVM}	420mA
Average Forward Current Maximum	$T_{OIL} = 55^{\circ}\text{C}$	I_{FAVM}	500mA
Maximum Forward Voltage Drop	$I_F = 400\text{mA}$	V_F	12 Volts
Maximum Surge Current Rating	8.3msec, half sine	I_{FSM}	20 Amps
Maximum Reverse Current	at rated V_{RRM}	I_R	0.5 μA
Maximum Reverse Recovery Time	$I_F = 200\text{mA}$, $I_R = 400\text{mA}$, $I_{RR} = 100\text{mA}$	T_{RR}	40 nsec
Typical Junction Capacitance	$f = 1\text{MHz}$, $V_R = 0\text{VDC}$	C_J	7.5 pf
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	A	0.350	8.89	0.358	9.11
Body Diameter	D	0.197	4.99	0.198	5.03
Lead Length	B	0.87	22.1	-	-
Lead Diameter	C	-	-	0.047	1.2

