



Features

- High voltage, fast recovery Diode
- Medium power handling capability
- 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
Repetitive Peak Reverse Voltage	-	V_{RRM}	8,000 Volts
Average Forward Current Maximum	$T_A = 40^\circ\text{C}$ in air	I_{FAVM}	210 mA
Average Forward Current Maximum	$T_{OIL} = 55^\circ\text{C}$	I_{FAVM}	410 mA
Maximum Forward Voltage Drop	$I_F = 100\text{mA}$	V_F	12 Volts
Maximum Reverse Current	$V_R = V_{RRM}$	I_R	2.0 μA
Maximum Reverse Recovery Time	($I_F = 100\text{mA}$; $I_R = -200\text{mA}$; $I_{rr} = -50\text{mA}$)	T_{RR}	150 ηsec
Maximum Junction Capacitance	($f = 1\text{MHz}$, $V_R = 0\text{VDC}$)	C_J	7.4 pF
Maximum Surge Current	8.3msec, half sine wave	I_{FSM}	15 Amps
Operating and Storage Temperature	-	T_{OS}	-40°C to 150°C

Mechanical Data

	Symbol	Min.		Max.	
		in.	mm	in.	mm
Body Length	A	-	-	0.600	15.24
Body Diameter	D	-	-	0.170	4.31
Lead Length	B	0.940	23.87	-	-
Lead Diameter	C	0.028	0.71	0.032	0.81

