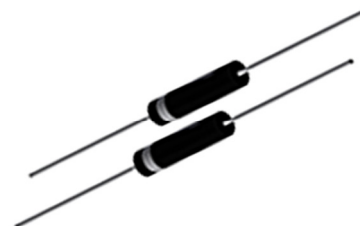




Features

- High peak reverse voltage
- Fast Recovery time
- Low junction capacitance
- 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}	40,000 Volts
Average Forward Current Maximum	$T_A = 55^\circ\text{C}$	I_{FAVM}	50 mA
Maximum Forward Voltage Drop	$I_F = 55\text{ mA}$	V_F	50 Volts
Maximum Reverse Current	@ V_{RRM}	I_R	1.0 μA
Maximum Reverse Recovery Time	$I_F = 20\text{mA}; I_R = 50\text{mA}; I_{rr} = 10\text{ mA}$	T_{RR}	100 ηsec
Typical Junction Capacitance	$f = 1\text{MHz}, V_R = 0\text{ Volt}$	C_J	0.6 pF
Maximum Forward Surge Current	8.3msec, Half Sine	I_{FSM}	3.0 Amps
Maximum Junction Temperature	-	T_J	125 °C
Maximum Storage Temperature	-	T_S	-55 °C to 150 °C

Mechanical Data

		Min.		Max.	
		in.	mm	in.	mm
Body Length	A	-	-	0.60	15.24
Body Diameter	D	-	-	0.170	4.32
Lead Length	B	1.0	25.4	-	-
Lead Diameter	C	-	-	0.032	0.81

