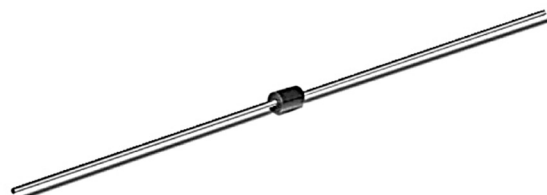




Features

- High peak reverse voltage
- Fast Recovery time
- Low junction capacitance
- Very low reverse leakage current
- Small package outline
- 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}	3,000 Volts
Average Forward Current Max.	$T_A = 55^\circ\text{C}$	I_{FAVM}	20 mA
Maximum Forward Voltage Drop	$I_F = 20 \text{ mA}$	V_F	10 Volts
Maximum Reverse Current	@ V_{RRM}	I_R	0.20 μA
Maximum Reverse Recovery Time	$I_F = 4.0 \text{ mA}$; $I_R = 10 \text{ mA}$; $I_{rr} = 2.0 \text{ mA}$	T_{RR}	80 ηsec
Maximum Surge Current	8.3msec, Half Sine	I_{FSM}	3.0 Amps
Typical Junction Capacitance	$f = 1 \text{ MHz}$, $V_R = 0 \text{ VDC}$	C_j	0.85pf
Maximum Junction Temperature	-	T_J	150°C
Maximum Storage Temperature	-	T_S	-55°C to 150°C

Mechanical Data

	Symbol	Min.		Max.	
		in.	mm	in.	mm
Body Length	A	-	-	0.120	3.04
Body Diameter	D	-	-	0.080	2.0
Lead Length	B	1.0	25.4	-	-
Lead Diameter	C	-	-	0.020	0.50

