



Features

- 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
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	3,000 Volts
Average Forward Current Maximum	$T_A = 55^\circ\text{C}$	I_{FAVM}	40 mA
Maximum Forward Voltage Drop	$I_F = 40\text{mA}$	V_F	26 Volts
Maximum Surge Current Rating	8.3msec, half sine	I_{FSM}	3 Amps
Maximum Reverse Current	at rated V_{RRM}	I_R	1.0 μA
Maximum Reverse Recovery Time	$I_F = 40\text{mA}$, $I_R = 80\text{mA}$, $I_{RR} = 20\text{mA}$	T_{RR}	100 ηsec
Typical Junction Capacitance	$f = 1\text{MHz}$, $V_R = 0\text{VDC}$	C_J	0.3 pf
Maximum Junction Temperature	-	T_J	125°C
Storage Temperature Range	-	T_{STG}	-55°C to 150°C

Mechanical Data

	Symbol	Min.		Max.	
		in.	mm	in.	mm
Body Length	A	-	-	0.40	10.2
Body Diameter	D	-	-	0.12	3.1
Lead Length	B	1.0	25.4	-	-
Lead Diameter	C	-	-	0.025	0.64

