HVRW3

3KV, 1.5A, Fast Recovery
High Voltage Diode

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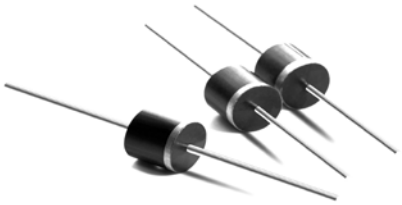

Features

- Fast reverse recovery time for high efficiency
- Molded plastic body, ANSI/UL94 V-0 rated material
- RoHS compliant based on exemption: [2011/65/EC, Annex III, 7(a)]

Device Electrical Characteristics
(25°C ambient temperature unless stated otherwise)

	Conditions	Symbol	Value
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	3000 Volts
Average Forward Current Maximum	T_A = 55°C*	I_{FAVM}	1.5 A
Maximum Forward Voltage Drop	I_F = 1.0 A	V_F	5 Volts
Maximum Surge Current Rating	8.3msec, half sine	I_{FSM}	200 Amps
Maximum Reverse Current	at rated V_{RRM}	I_R	10 µA
Typical Junction Capacitance	f = 1 MHz, V_R = 0 V_{DC}	C_J	35 pF
Maximum Reverse Recovery Time	I_F=500mA, I_R= 1.0A, I_{RR}= 250mA	T_{RR}	150 ηsec
Maximum Junction Temperature	-	T_J	150°C
Storage Temperature Range	-	T_{STG}	-40°C to 150°C

Note * with proper heatsink on device leads

		Min.		Max.	
Mechanical Data	**Symbol**	**in.**	**mm**	**in.**	**mm**
Body Length	**A**	-	-	0.38	9.65
Body Diameter	**D**	-	-	0.32	8.13
Lead Length	**B**	0.95	24.2	-	-
Lead Diameter	**C**	-	-	0.052	1.32