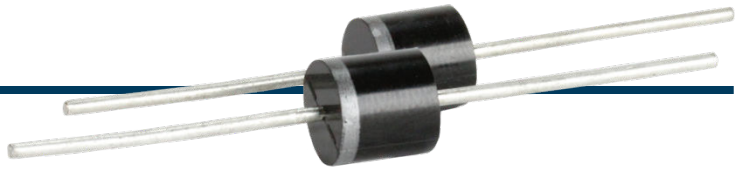
HVW3

3kV, 2000mA, Standard Recovery
Axial Lead Power Diode



Features

- P600 Package
- Molded Plastic Body, ANSI/UL94 V-0 Rated Material

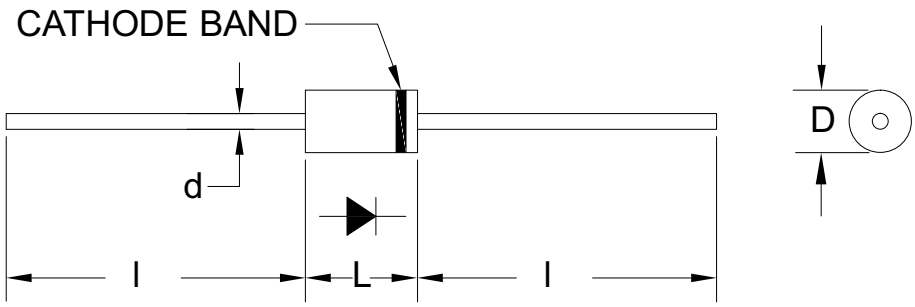
Specifications[1]

Part Number	V_{RRM} V	I_{FAVM} mA	V_F V	I_R µA	I_{FSM} A	L in.	D in.	d in.	l in.
HVW3	3000	2000	3	5	300	0.36	0.36	0.05	0.94

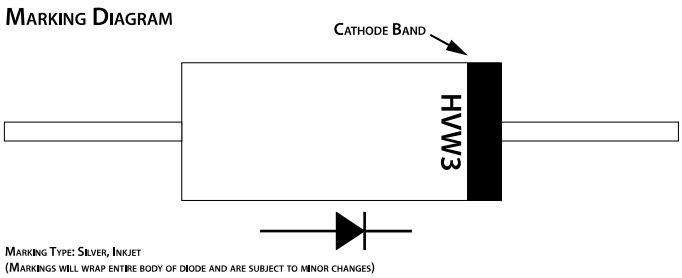
Temperature °C	
Operating Temperature	-55 to 125
Storage Temperature	-55 to 175
Maximum Junction Temperature	125

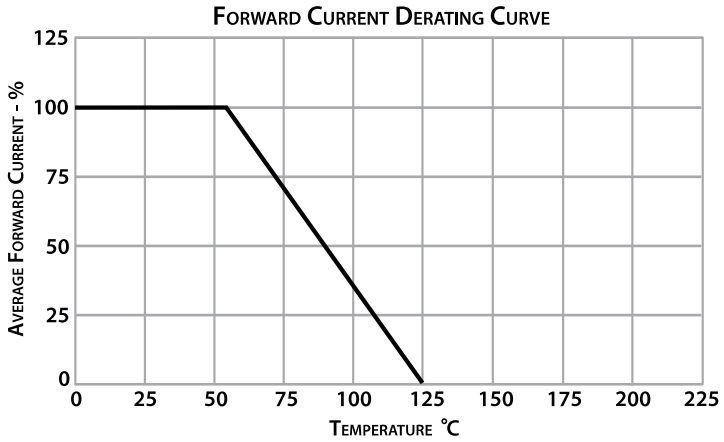
[1]25°C ambient temperature unless stated otherwise.

Drawings



Dimensions in inches, tolerances ±0.020 except as noted





Specification Definitions

	Specifications	Conditions
V_{RRM}	Maximum Repetitive Reverse Voltage	-
I_{FAVM}	Maximum Average Forward Current	At T_A = 55°C
V_F	Maximum Forward Voltage Drop	At I_{FAVM}
I_R	Maximum Leakage Current	At V_{RRM}
I_{FSM}	Maximum Surge Current	At 8.3mS, Single Half Sine

Note: Specifications subject to change without notice. Photo is representation only.

RoHS COMPLIANT

HVRW SERIES

1 to 4kV, 1.0 to 2.5A, 150nS
Axial Lead Power Diodes

Features

- Fast Reverse Recovery Time
- 0.38” x 0.32” Package
- Molded Plastic Body, ANSI/UL94 V-0 Rated Material

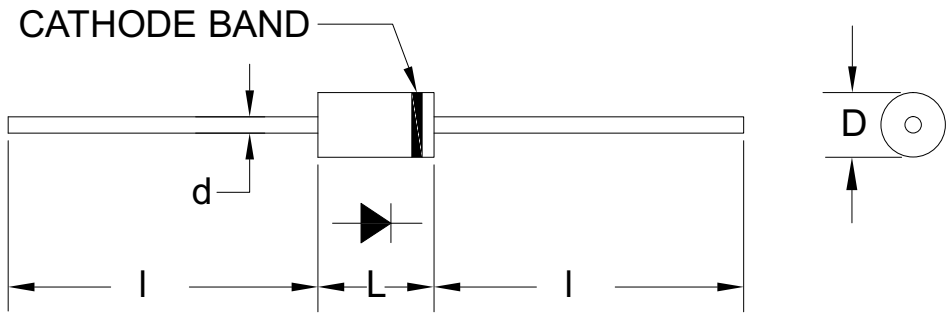
Specifications[1]

Part Number	V_{RRM} V	I_{FAVM} mA	V_F V	I_R µA	I_{FSM} A	C_J pF	T_{RR} nS	L in.	D in.	d in.	l in.
HVRW1	1000	2500	2	10	200	105	150	0.38	0.32	0.05	0.94
HVRW2	2000	1500	4	10	200	52	150	0.38	0.32	0.05	0.94
HVRW3	3000	1500	5	10	200	35	150	0.38	0.32	0.05	0.94
HVRW4	4000	1000	6	10	200	27	150	0.38	0.32	0.05	0.94

Temperature °C	
Operating Temperature	-55 to 150
Storage Temperature	-55 to 175
Maximum Junction Temperature	150

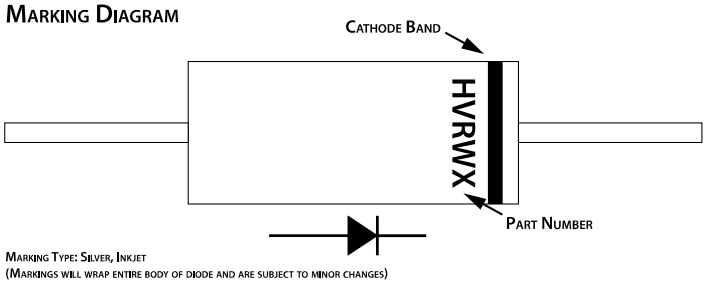
[1]25°C ambient temperature unless stated otherwise.

Drawings



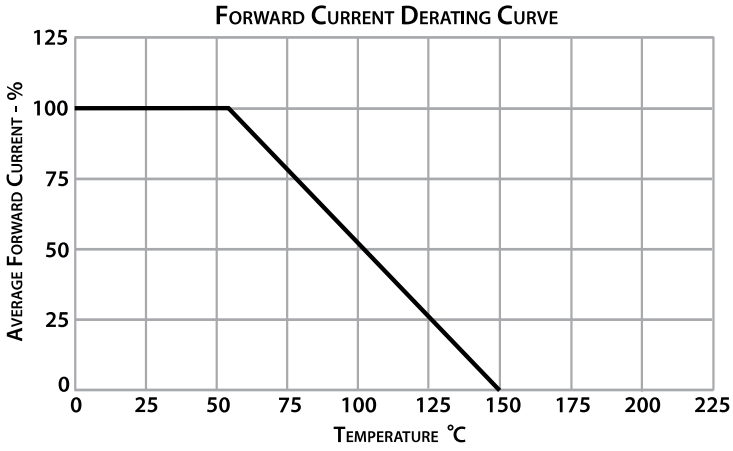
Dimensions in inches, tolerances ±0.020 except as noted

Marking Diagram



Marking Type: Silver, Inkjet
(Markings will wrap entire body of diode and are subject to minor changes)

Forward Current Derating Curve



Specification Definitions

	Specifications	Conditions
V_{RRM}	Maximum Repetitive Reverse Voltage	-
I_{FAVM}	Maximum Average Forward Current	At T_A = 55°C
V_F	Maximum Forward Voltage Drop	At I_{FAVM}
I_R	Maximum Leakage Current	At V_{RRM}
I_{FSM}	Maximum Surge Current	At 8.3mS, Single Half Sine
C_J	Typical Junction Capacitance	At V_R = 0VDC, f = 1MHz
T_{RR}	Maximum Reverse Recovery Time	I_F = 500mA; I_R = -1000mA; I_{RR} = -250mA

Note: Specifications subject to change without notice. Photo is representation only.

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