



# HVMB SERIES

175 to 450kV, 220mA, 100nS to Standard Recovery  
X-ray Board Rectifiers



## Features

- High Voltage, Medium Current Handling Assembly
- Fast Recovery Models Available

## Specifications<sup>1</sup>

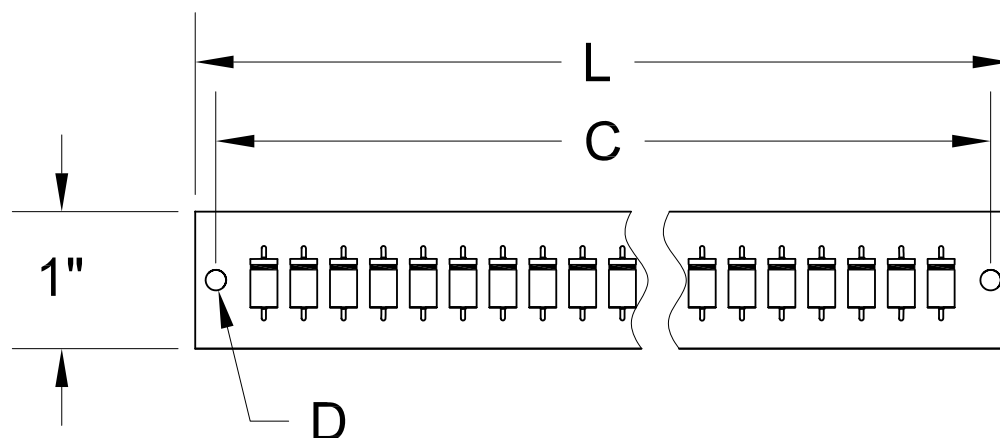
Part Number	V <sub>RRM</sub> V	I <sub>FAVM</sub> mA	V <sub>F</sub> V	I <sub>R</sub> μA	I <sub>FSM</sub> A	T <sub>RR</sub> <sup>2</sup> nS	L in.	C in.	D in.
<b>Standard Recovery Subseries</b>									
HVMB175	175000	220	230	2	20	-	8.60	8.30	0.16
HVMB225	225000	220	276	2	20	-	8.60	8.30	0.16
HVMB275	275000	220	299	2	20	-	8.60	8.30	0.16
HVMB325	325000	220	368	2	20	-	8.60	8.30	0.16
<b>Fast Recovery Subseries</b>									
HVMBF225	225000	220	506	2	10	100	8.60	8.30	0.16
HVMBF325	325000	220	598	2	10	100	8.60	8.30	0.16
HVMBF450	450000	220	805	2	10	100	8.60	8.30	0.16

Temperature °C	
Operating Temperature	-55 to 125
Storage Temperature	-55 to 150

<sup>1</sup>25°C ambient temperature unless stated otherwise

<sup>2</sup>A "-" indicates that the component is a standard recovery device and no T<sub>RR</sub> data is taken.

## Drawings



Dimensions in inches, tolerances ±0.020 except as noted



## Specification Definitions

Specifications		Conditions
<b>V<sub>RRM</sub></b>	Maximum Repetitive Reverse Voltage	-
<b>I<sub>FAVM</sub></b>	Maximum Average Forward Current	At T <sub>OIL</sub> = 55°C
<b>V<sub>F</sub></b>	Maximum Forward Voltage Drop	At I <sub>FAVM</sub>
<b>I<sub>R</sub></b>	Maximum Leakage Current	At V <sub>RRM</sub>
<b>I<sub>FSM</sub></b>	Maximum Surge Current	At 8.3 mS, Single Half Sine
<b>T<sub>RR</sub></b>	Maximum Reverse Recovery Time	I <sub>F</sub> = 40mA; I <sub>R</sub> = -80mA; I <sub>RR</sub> = -20mA

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

