



# 1HVFK SERIES

5 to 50kV, 700 to 900mA, 150nS Recovery  
Rectifier Blocks with Insert Mounting



## Features

- Epoxy Molded Encapsulation with Mounting Inserts
- Threaded Brass Solder Terminal Inserts

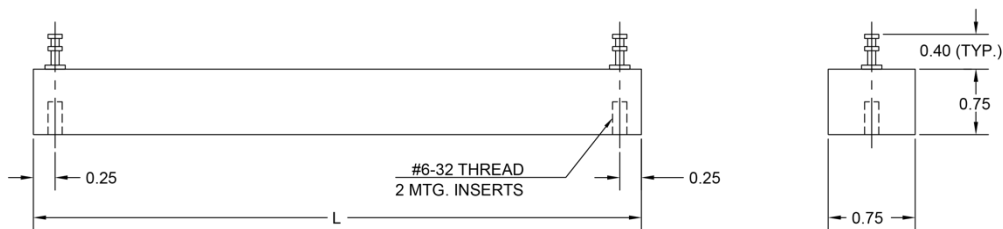
## Specifications<sup>1</sup>

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> nS	L in.
1HVF5K	5000	900	8	0.5	50	150	2.5
1HVF8K	8000	900	12	0.5	50	150	3.5
1HVF10K	10000	900	15	0.5	50	150	3.5
1HVF15K	15000	900	24	0.5	50	150	5
1HVF20K	20000	700	30	0.5	50	150	5
1HVF25K	25000	700	40	0.5	50	150	6
1HVF30K	30000	700	48	0.5	50	150	6
1HVF40K	40000	700	60	0.5	50	150	7
1HVF50K	50000	700	78	0.5	50	150	7

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

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

## Drawings



Dimensions in inches, tolerances ±0.020 except as noted

## Specification Definitions

Specifications	Conditions
V <sub>RRM</sub> Maximum Repetitive Reverse Voltage	-
I <sub>FAVM</sub> Maximum Average Forward Current	At T <sub>A</sub> = 55°C
V <sub>F</sub> Maximum Forward Voltage Drop	At I <sub>FAVM</sub>
I <sub>R</sub> Maximum Leakage Current	At V <sub>RRM</sub>
I <sub>FSM</sub> Maximum Surge Current	At 8.3 mS, Single Half Sine
T <sub>RR</sub> Maximum Reverse Recovery Time	I <sub>F</sub> = 0.5 I <sub>FAVM</sub> ; I <sub>R</sub> = -I <sub>FAVM</sub> ; I <sub>RR</sub> = -0.25 I <sub>FAVM</sub>

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

