



# 3HVK SERIES

5 to 50kV, 2250 to 3000mA, Standard Recovery  
Rectifier Blocks with Insert Mounting



## Features

- Epoxy Molded Encapsulation with Mounting Inserts
- Threaded Brass Solder Terminal Inserts
- Available with Resistor and Capacitor or Capacitor Only Compensation

## Specifications<sup>1</sup>

Part Number <sup>2</sup>	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	L in.	W in.	Drawing #
3HV5K	5000	3000	4.8	0.5	150	4	1	Figure 1
3HV8K	8000	2750	7.5	0.5	150	6	1	Figure 1
3HV10K	10000	2500	9.0	0.5	150	7	1	Figure 1
3HV15K	15000	2500	14.0	0.5	150	4	2	Figure 2
3HV20K	20000	2250	18.0	0.5	150	6	2	Figure 2
3HV25K	25000	2250	22.0	0.5	150	8	2	Figure 2
3HV30K	30000	2250	28.0	0.5	150	4	3	Figure 2
3HV40K	40000	2250	36.0	0.5	150	8	3	Figure 2
3HV50K	50000	2250	44.0	0.5	150	6	4	Figure 2

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

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

<sup>2</sup>For solder turrets add suffix "T"; for mounting studs add suffix "S".

## Drawings

Figure 1

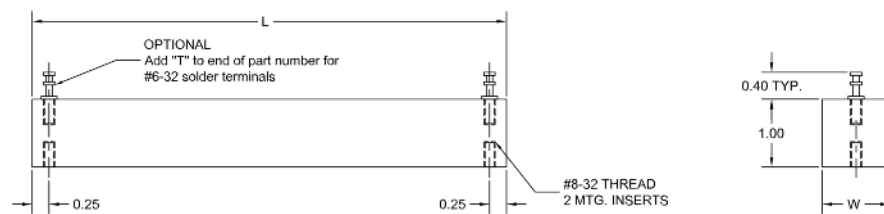
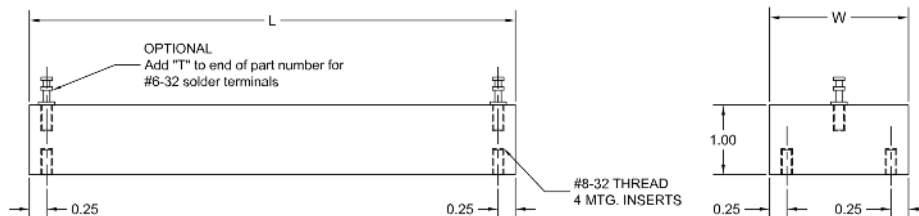


Figure 2



Dimensions in inches, tolerances  $\pm 0.020$  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>A</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

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

