



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

Specifications¹

Part Number ²	V _{RRM} V	I _{FAVM} mA	V _F V	I _R μA	I _{FSM} 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

¹25°C ambient temperature unless stated otherwise.

²For solder turrets add suffix "T"; for mounting studs add suffix "S".

Drawings

Figure 1

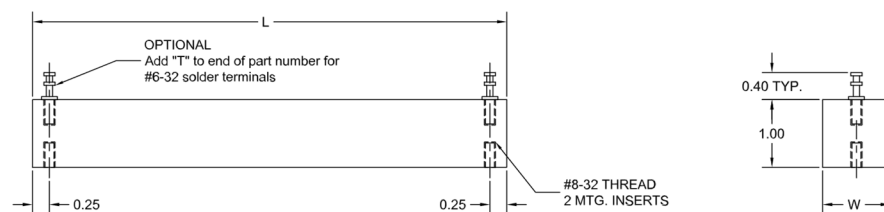
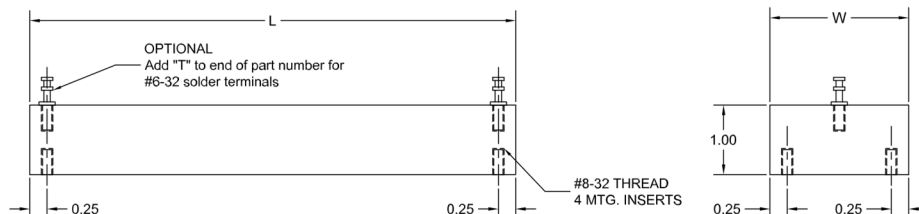


Figure 2



Dimensions in inches, tolerances ± 0.020 except as noted



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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 8.3 mS, Single Half Sine

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