



3HVKF SERIES

5 to 50kV, 2.25 to 2.5A, 250nS Recovery
Rectifier Blocks with Insert Mounting



Features

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

Specifications¹

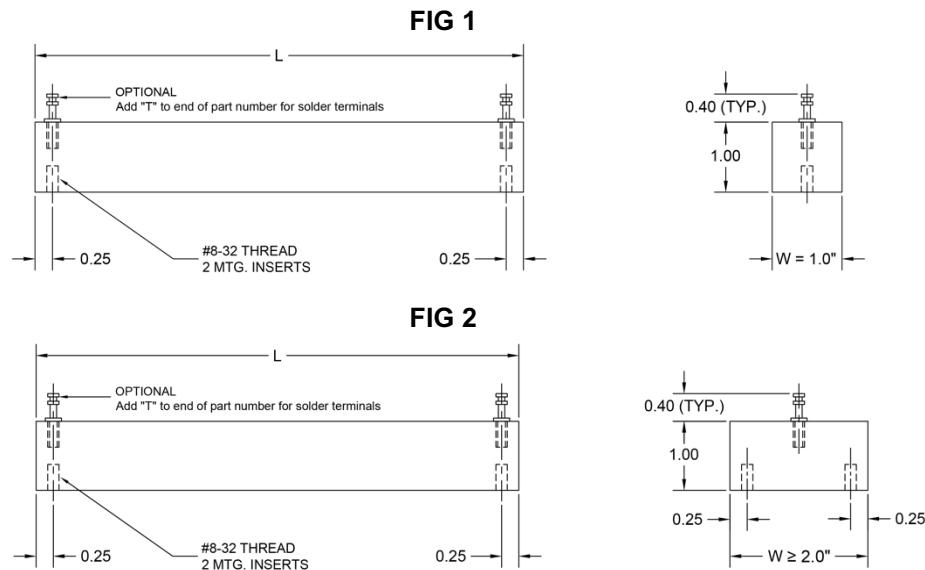
Part Number ²	V _{RRM} V	I _{FAVM} mA	V _F V	I _R μA	I _{FSM} A	T _{RR} nS	L in.	W in.	Drawing #
3HVF5K	5000	2500	7	0.5	100	250	4	1	Fig. 1
3HVF8K	8000	2500	11	0.5	100	250	6	1	Fig. 1
3HVF10K	10000	2500	13	0.5	100	250	7	1	Fig. 1
3HVF15K	15000	2250	22	0.5	100	250	4	2	Fig. 2
3HVF20K	20000	2250	26	0.5	100	250	6	2	Fig. 2
3HVF25K	25000	2250	34	0.5	100	250	8	2	Fig. 2
3HVF30K	30000	2250	40	0.5	100	250	4	3	Fig. 2
3HVF40K	40000	2250	52	0.5	100	250	8	3	Fig. 2
3HVF50K	50000	2250	68	0.5	100	250	6	4	Fig. 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



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
T_{RR}	Maximum Reverse Recovery Time	I _F = 250mA; I _R = -500mA; I _{RR} = -125mA

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

