



6HVFK SERIES

5 to 50kV, 2 to 3A, 350nS
Rectifier Blocks with Insert Mounting



Features

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

Specifications¹

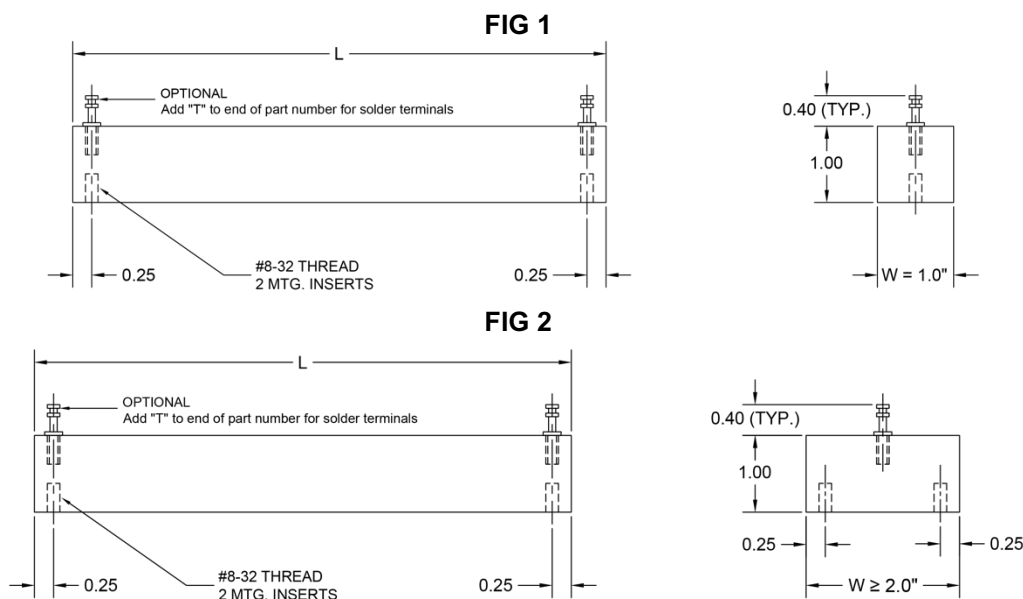
Part Number ²	V_{RRM} V	I_{FAVM} mA	V_F V	I_R μ A	I_{FSM} A	T_{RR} nS	L in.	W in.	Drawing #
6HVF5K	5000	3000	6.0	5	200	350	4	1	Fig. 1
6HVF8K	8000	2750	9.6	5	200	350	6	1	Fig. 1
6HVF10K	10000	2500	12.0	5	200	350	7	1	Fig. 1
6HVF15K	15000	2500	18.0	5	200	350	4	2	Fig. 2
6HVF20K	20000	2250	24.0	5	200	350	6	2	Fig. 2
6HVF25K	25000	2000	30.0	5	200	350	8	2	Fig. 2
6HVF30K	30000	2000	36.0	5	200	350	4	3	Fig. 2
6HVF40K	40000	2000	48.0	5	200	350	8	3	Fig. 2
6HVF50K	50000	2000	60.0	5	200	350	6	4	Fig. 2

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

¹125°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



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.

