



3HUFK SERIES

5 to 50kV, 2.25 to 3A, 75nS Recovery
Rectifier Blocks with Insert Mounting



Features

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

Specifications²

Part Number ¹	V _{RRM} V	V _F V	I _{FAVM} mA	I _R μA	I _{FSM} A	T _{RR} nS	L in.	W in.	Drawing #
3HUF5K	5000	7	3000	5	150	75	4	1	Fig. 1
3HUF8K	8000	11	2750	5	150	75	6	1	Fig. 1
3HUF10K	10000	14	2500	5	150	75	7	1	Fig. 1
3HUF15K	15000	21	2500	5	150	75	4	2	Fig. 2
3HUF20K	20000	28	2250	5	150	75	6	2	Fig. 2
3HUF25K	25000	35	2250	5	150	75	8	2	Fig. 2
3HUF30K	30000	45	2250	5	150	75	4	3	Fig. 2
3HUF40K	40000	56	2250	5	150	75	8	3	Fig. 2
3HUF50K	50000	70	2250	5	150	75	6	4	Fig. 2

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

¹For solder turrets add suffix "T"; for mounting studs add suffix "S".

²25°C ambient temperature unless stated otherwise.

Drawings

FIG. 1

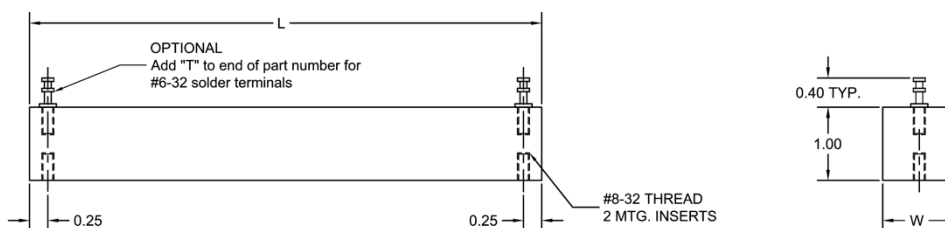
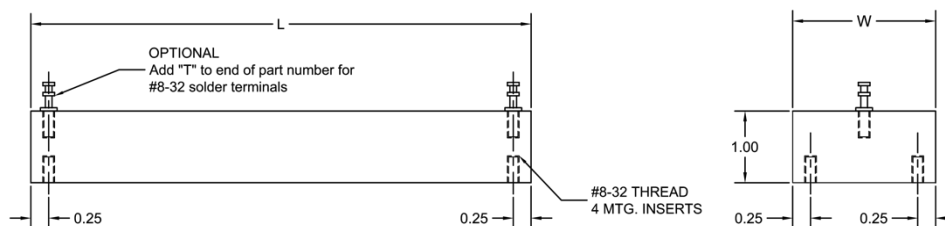


FIG. 2



Dimensions in inches, tolerances ±0.020 except as noted



Specification Definitions

Specifications		Conditions
V_{RRM}	Maximum Repetitive Reverse Voltage	-
V_F	Maximum Forward Voltage Drop	At I _{FAVM}
I_{FAVM}	Maximum Average Forward Current	At T _A = 55°C
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 = 0.5 I _{FAVM} ; I _R = -I _{FAVM} ; I _{RR} = -0.25 I _{FAVM}

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

