



# 2HUSFK SERIES

5 to 50kV, 1250 to 2000mA, 40nS  
Rectifier Blocks with Insert Mounting



## Features

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

## 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	T <sub>RR</sub> nS	L in.	W in.	Drawing #
2HUSF5K	5000	2000	10	5	60	40	4	1	Figure 1
2HUSF8K	8000	1750	16	5	60	40	6	1	Figure 1
2HUSF10K	10000	1500	20	5	60	40	7	1	Figure 1
2HUSF15K	15000	1500	30	5	60	40	4	2	Figure 2
2HUSF20K	20000	1250	40	5	60	40	6	2	Figure 2
2HUSF25K	25000	1250	50	5	60	40	8	2	Figure 2
2HUSF30K	30000	1250	60	5	60	40	4	3	Figure 2
2HUSF40K	40000	1250	80	5	60	40	8	3	Figure 2
2HUSF50K	50000	1250	100	5	60	40	6	4	Figure 2

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

<sup>1</sup>125°C ambient temperature unless stated otherwise.

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

## Drawings

Figure 1

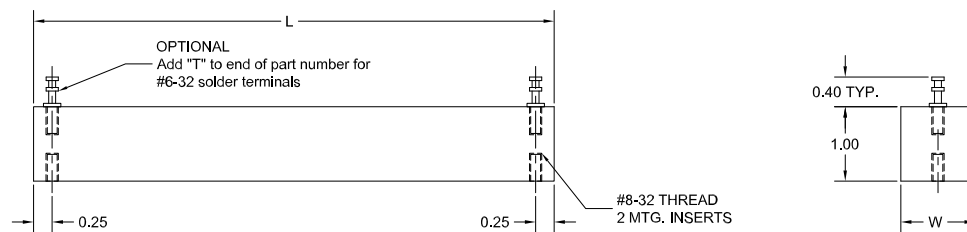
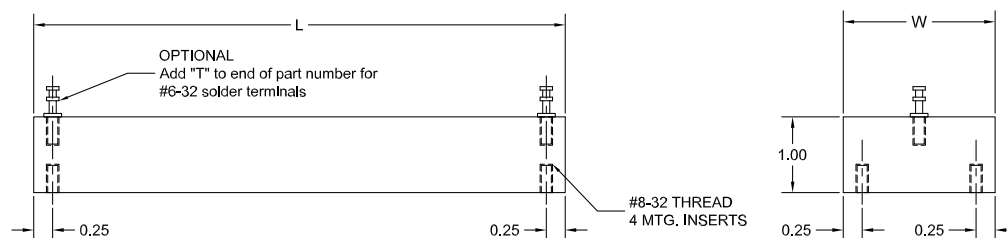


Figure 2



Dimensions in inches, tolerances ±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
<b>T<sub>RR</sub></b>	Maximum Reverse Recovery Time	I <sub>F</sub> = 0.5A; I <sub>R</sub> = -1.0A; I <sub>RR</sub> = -0.25A

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

