



# 1HVUSFK SERIES

5 to 50kV, 500 to 650mA, 35nS  
Rectifier Blocks with Insert Mounting



## Features

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

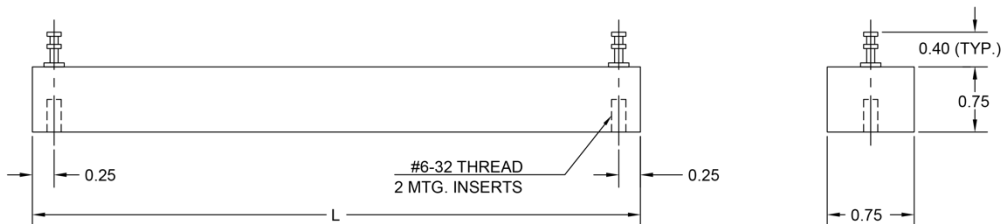
## Specifications<sup>1</sup>

Part Number	$V_{RRM}$ V	$I_{FAVM}$ mA	$V_F$ V	$I_R$ $\mu$ A	$I_{FSM}$ A	$T_{RR}$ nS	L in.
1HVUSF5K	5000	650	7.0	1	10	35	2.5
1HVUSF8K	8000	650	11.2	1	10	35	3.5
1HVUSF10K	10000	650	14.0	1	10	35	3.5
1HVUSF15K	15000	650	21.0	1	10	35	5.0
1HVUSF20K	20000	500	28.0	1	10	35	5.0
1HVUSF25K	25000	500	35.0	1	10	35	6.0
1HVUSF30K	30000	500	42.0	1	10	35	6.0
1HVUSF40K	40000	500	56.0	1	10	35	7.0
1HVUSF50K	50000	500	70.0	1	10	35	7.0

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.

## Drawings



Dimensions in inches, tolerances  $\pm 0.020$  except as noted

## Specification Definitions

Specifications		Conditions
$V_{RRM}$	Maximum Repetitive Reverse Voltage	-
$I_{FAVM}$	Maximum Average Forward Current	At $T_A = 55^\circ\text{C}$
$V_F$	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	$I_F = 0.5 I_{FAVM}$ ; $I_R = -I_{FAVM}$ ; $I_{RR} = -0.25 I_{FAVM}$

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

