



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

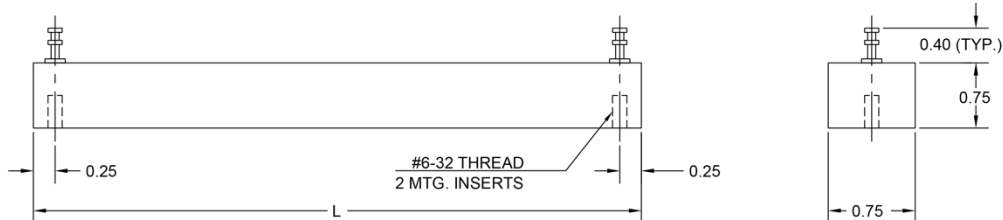
Specifications¹

Part Number	V_{RRM} V	I_{FAVM} mA	V_F V	I_R μA	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

¹25°C ambient temperature unless stated otherwise.

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 $T_A = 55^\circ C$
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.

