



2HGUSF SERIES

10 to 20kV, 1.50 to 1.75A, 40nS
Rectifier Blocks with Mounting Slots



Features

- Medium Power
- Single and 2-Leg Versions
- Epoxy Molded Encapsulation
- Threaded Brass Solder Terminal Inserts

Specifications¹

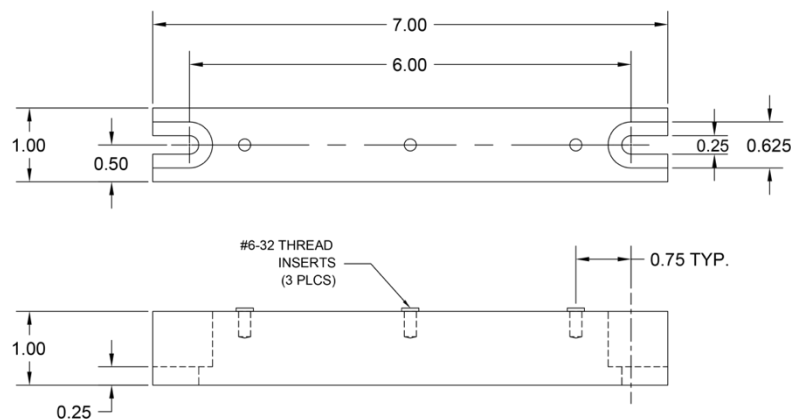
Part Number ²	V _{RRM} V	I _{FAVM} A	V _F V	I _R μA	I _{FSM} A	T _{RR} nS
Common Anode (N) Center Tap Subseries (Figure 1)						
2HGUSFN5	5000	1.75	10	5	60	40
2HGUSFN10	10000	1.50	20	5	60	40
Common Cathode (P) Center Tap Subseries (Figure 2)						
2HGUSFP5	5000	1.75	10	5	60	40
2HGUSFP10	10000	1.50	20	5	60	40
Doubler-Style Center Tap Subseries (Figure 3)						
2HGUSFD5	5000	1.75	10	5	60	40
2HGUSFD10	10000	1.50	20	5	60	40
Non-Tapped Subseries (Figure 4)						
2HGUSF10	10000	1.75	20	5	60	40
2HGUSF15	15000	1.50	30	5	60	40
2HGUSF20	20000	1.50	40	5	60	40

Temperature °C	
Operating Temperature	-45 to 150
Storage Temperature	-45 to 150

¹125°C ambient temperature unless stated otherwise.

²For solder turrets add suffix "T"; for capacitor only compensation add suffix "C".

Drawings



Dimensions in inches, tolerances ±0.020 except as noted



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Specification Definitions

Specifications		Conditions
V_{RRM}	Maximum Repetitive Reverse Voltage	Per Leg
I_{FAVM}	Maximum Average Forward Current	At $T_A = 55^\circ\text{C}$, Per Leg
V_F	Maximum Forward Voltage Drop	At I_{FAVM} , Per Leg
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	$I_F = 0.5\text{A}$; $I_R = -1.0\text{A}$; $I_{RR} = -0.25\text{A}$

Configurations:

Figure 1

Common Anode (Negative) Center Tap

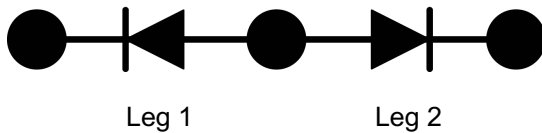


Figure 2

Common Cathode (Positive) Center Tap

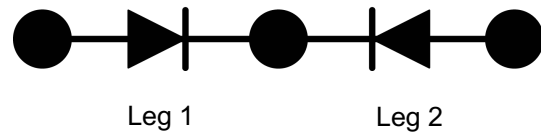


Figure 3

Doubler-Style Center Tap

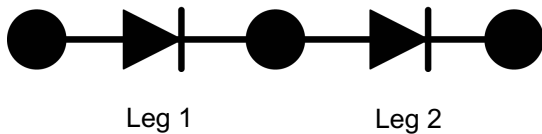
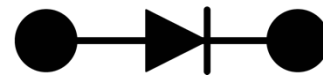


Figure 4

Non-Tapped



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