



HG SERIES

5 to 50kV, 0.8 to 2.0A, Standard Recovery 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
Common Anode (N) Center Tap Subseries (Figure 1)					
HGN5	5000	2.0	4.5	0.5	50
HGN10	10000	2.0	9.0	0.5	50
HGN15	15000	1.6	14.0	0.5	50
HGN20	20000	1.6	18.0	0.5	50
HGN25	25000	1.6	22.0	0.5	50
Common Cathode (P) Center Tap Subseries (Figure 2)					
HGP5	5000	2.0	4.5	0.5	50
HGP10	10000	2.0	9.0	0.5	50
HGP15	15000	1.6	14.0	0.5	50
HGP20	20000	1.6	18.0	0.5	50
HGP25	25000	1.6	22.0	0.5	50
Doubler-Style Center Tap Subseries (Figure 3)					
HGD5	5000	2.0	4.5	0.5	50
HGD10	10000	2.0	9.0	0.5	50
HGD15	15000	1.6	14.0	0.5	50
HGD20	20000	1.6	18.0	0.5	50
HGD25	25000	1.6	22.0	0.5	50
Non-Tapped Subseries (Figure 4)					
HG10	10000	1.0	9.0	0.5	50
HG15	15000	1.0	14.0	0.5	50
HG20	20000	1.0	18.0	0.5	50
HG25	25000	0.8	22.0	0.5	50
HG30	30000	0.8	28.0	0.5	50
HG40	40000	0.8	36.0	0.5	50
HG50	50000	0.8	44.0	0.5	50

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

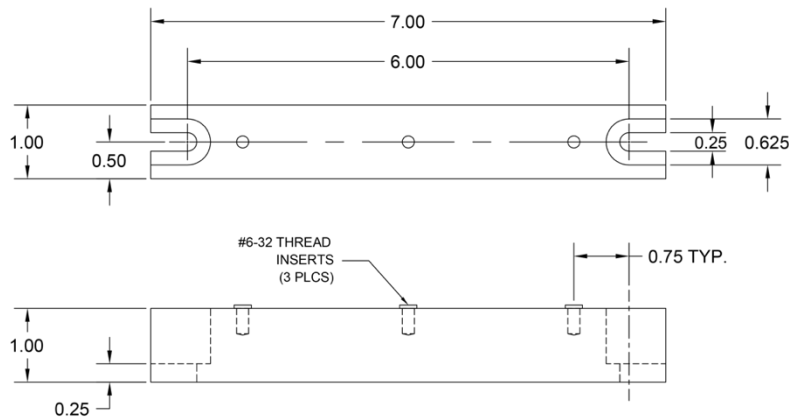
¹25°C ambient temperature unless stated otherwise.

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



HG SERIES

Drawings



Dimensions in inches, tolerances ± 0.020 except as noted

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 8.3mS, Single Half Sine

Configurations:

Figure 1

Common Anode (Negative) Center Tap

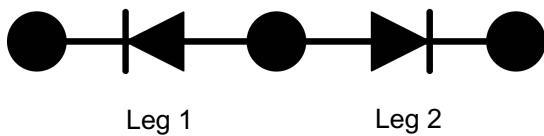


Figure 2

Common Cathode (Positive) Center Tap

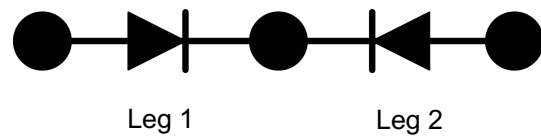


Figure 3

Doubler-Style Center Tap

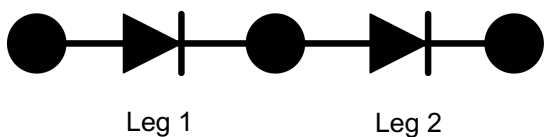


Figure 4

Non-Tapped

