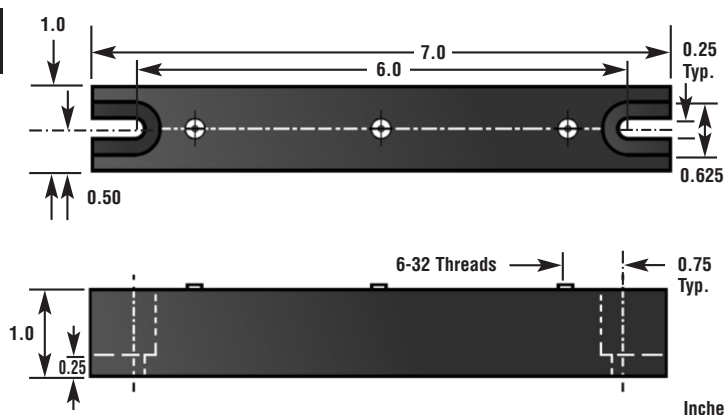




HG, 3HG, 6HG, Rectifier Blocks High Voltage, Mounting Slots



Please Note:
For ,
omit center terminal

**FIGURE
15**


Part Number	Repetitive Peak Reverse Voltage V_{RRM} Per Leg V	Avg. Forward Current Max. $I_{FAVM}@55^{\circ}\text{C}$ Per Leg A	Max. Forward Voltage Drop $V_F@I_{FAVM}$ Per Leg V	Max. Reverse Current $I_R@V_{RRM}@25^{\circ}\text{C}$ μA	Max. Surge Current $I_{FSM}(8.3\text{ms})$ A	Max. Reverse Recovery Time T_{RR} nS	Figure
HG - 1.0 Amp Glass Passivated Rectifier Assembly							
HG10	10000	1.00	9.0	0.5	50	-	15
HG15	15000	1.00	14.0	0.5	50	-	15
HG20	20000	1.00	18.0	0.5	50	-	15
HG25	25000	0.80	22.0	0.5	50	-	15
HG30	30000	0.80	28.0	0.5	50	-	15
HG40	40000	0.80	36.0	0.5	50	-	15
HG50	50000	0.80	44.0	0.5	50	-	15
HG• - 1.0 Amp Glass Passivated Center Tap and Doubler Assembly							
HG•5	5000	2.00	4.5	0.5	50	-	15
HG•10	10000	2.00	9.0	0.5	50	-	15
HG•15	15000	1.60	14.0	0.5	50	-	15
HG•20	20000	1.60	18.0	0.5	50	-	15
HG•25	25000	1.60	22.0	0.5	50	-	15
3HG - 3.0 Amp Glass Passivated Rectifier Assembly							
3HG10	10000	2.50	9.0	0.5	150	-	15
3HG15	15000	2.25	14.0	0.5	150	-	15
3HG20	20000	2.25	18.0	0.5	150	-	15
3HG25	25000	2.00	22.0	0.5	150	-	15
3HG30	30000	2.00	28.0	0.5	150	-	15
3HG• - 3.0 Amp Glass Passivated Center Tap and Doubler Assembly							
3HG•5	5000	2.50	4.8	0.5	150	-	15
3HG•10	10000	2.25	9.0	0.5	150	-	15
3HG•15	15000	2.00	14.0	0.5	150	-	15
3HG•RC - Resistor-Capacitor Compensated 3.0 Amp Glass Passivated Rectifier Assembly							
3HG10RC	10000	3.00	9.0	500	150	-	15
3HG15RC	15000	2.75	14.0	500	150	-	15
3HG20RC	20000	2.50	18.0	500	150	-	15
6HG - 6.0 Amp Rectifier Assembly							
6HG10	10000	3.00	10.0	5.0	400	-	15
6HG15	15000	2.75	15.0	5.0	400	-	15
6HG20	20000	2.50	20.0	5.0	400	-	15
6HG•RC - Resistor-Capacitor Compensated 6.0 Amp Rectifier Assembly							
6HG10RC	10000	3.60	10.0	500	400	-	15
6HG15RC	15000	3.30	15.0	500	400	-	15
6HG18RC	18000	3.00	18.0	500	400	-	15

Available with resistor and capacitor or capacitor only compensation.

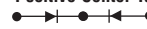
Add "T" for turret at end of part number.
Example: 3HG20T

All listed products shipped on December 31, 2013 or later will be RoHS Compliant. Available earlier by special request, contact factory or sales rep for availability.

Where • appears in the part number, substitute the letter N, P or D for the appropriate assembly configuration. i.e. 3HGD5 is a 5kV, 2.5A doubler

Please Note:
Different circuit arrangements are identified by using a **Circuit Code Letter**.
P=Positive Center Tap
N=Negative Center Cap
D=Doubler

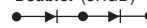
Positive Center Tap (HGP)

 Positive Center Tap 2.0A, 10000V/LEG HGP10

Negative Center Tap (HGN)

 Negative Center Tap 1.6A, 25000V/LEG HGN25

Doubler (3HGD)

 (LEG of Doubler is $I_{FAVM} \times 0.5$)
Doubler 2.0A, 15000V/LEG 3HGD15



Part Number	Repetitive Peak Reverse Voltage V_{RRM} Per Leg V	Avg. Forward Current Max. $I_{FAVM}@55^{\circ}C$ Per Leg A	Max. Forward Voltage Drop $V_F@I_F$ Per Leg V	Max. Reverse Current $I_R@V_{RRM}@25^{\circ}C$ μA	Max. Surge Current I_{FSM} (8.3ms) A	Max. Reverse Recovery Time T_{RR} nS	Figure
HGUF Series - Ultra Fast Recovery 1.0 Amp Rectifier Assembly T_{RR} 75nS							
HGUF10	10000	0.9	11.0	1.0	35	75	15
HGUF15	15000	0.9	17.0	1.0	35	75	15
HGUF20	20000	0.7	22.0	1.0	35	75	15
HGUF25	25000	0.7	28.0	1.0	35	75	15
HGUF30	30000	0.7	34.0	1.0	35	75	15
HGUF40	40000	0.7	44.0	1.0	35	75	15
HGUF50	50000	0.7	56.0	1.0	35	75	15
HGUSF Series - Ultra Super Fast Recovery 1.0 Amp Rectifier Assembly T_{RR} 35nS							
HGUSF10	10000	0.65	14.0	1.0	10	35	15
HGUSF15	15000	0.65	21.0	1.0	10	35	15
HGUSF20	20000	0.5	28.0	1.0	10	35	15
HGUSF25	25000	0.5	35.0	1.0	10	35	15
HGUSF30	30000	0.5	42.0	1.0	10	35	15
HGUSF40	40000	0.4	56.0	1.0	10	35	15
HGUSF50	50000	0.4	70.0	1.0	10	35	15
2HGUSF Series - Ultra Super Fast Recovery 2.0 Amp Rectifier Assembly T_{RR} 40nS							
2HGUSF10	10000	1.75	20.0	5.0	60	40	15
2HGUSF15	15000	1.5	30.0	5.0	60	40	15
2HGUSF20	20000	1.5	40.0	5.0	60	40	15
3HGUF Series - Ultra Fast Recovery 3.0 Amp Rectifier Assembly T_{RR} 75nS							
3HGUF10	10000	2.25	14.0	5.0	150	75	15
3HGUF15	15000	2.25	21.0	5.0	150	75	15
3HGUF20	20000	2.25	28.0	5.0	150	75	15
3HGUF25	25000	1.75	35.0	5.0	150	75	15
3HGUF30	30000	1.75	42.0	5.0	150	75	15
3HGUF Series - Ultra Fast Recovery 3.0 Amp Center Tap and Doubler Assembly T_{RR} 75nS							
3HGUF•5	5000	2.25	7.0	5.0	150	75	15
3HGUF•10	10000	2.25	14.0	5.0	150	75	15
3HGUF•15	15000	1.75	21.0	5.0	150	75	15
HGUF Series - Ultra Fast Recovery 1.0 Amp Center Tap and Doubler Assembly T_{RR} 75nS							
HGUF•5	5000	0.9	5.5	1.0	35	75	15
HGUF•10	10000	0.7	11.0	1.0	35	75	15
HGUF•15	15000	0.7	17.0	1.0	35	75	15
HGUF•20	20000	0.7	22.0	1.0	35	75	15
HGUF•25	25000	0.7	28.0	1.0	35	75	15
6HGF Series - Fast Recovery 6.0 Amp Rectifier Assembly T_{RR} 350nS							
6HGF10	10000	2.5	12.0	5.0	200	350	15
6HGF15	15000	2.5	18.0	5.0	200	350	15
6HGF20	20000	2.25	24.0	5.0	200	350	15
HGUSF Series - Ultra Super Fast Recovery 1.0 Amp Center Tap and Doubler Assembly T_{RR} 35nS							
HGUSF•5	5000	0.65	7.0	1.0	10	35	15
HGUSF•10	10000	0.5	14.0	1.0	10	35	15
HGUSF•15	15000	0.5	21.0	1.0	10	35	15
2HGUSF Series - Ultra Super Fast Recovery 2.0 Amp Center Tap and Doubler Assembly T_{RR} 40nS							
2HGUSF•5	5000	1.75	10.0	5.0	60	40	15
2HGUSF•10	10000	1.5	20.0	5.0	60	40	15

Available with resistor and capacitor or capacitor only compensation.

Add "T" for turret at end of part number.
Example: 6HGF10T

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Where • appears in the part number, substitute the letter N, P or D for the appropriate assembly configuration. i.e. 3HGD5 is a 5kV, 2.5A doubler

Please note:

Different circuit arrangements are identified by using a **Circuit Code Letter**.
P=Positive Center Tap
N=Negative Center Cap
D=Doubler

Positive Center Tap (HGP)



Positive Center Tap 2.0A, 10000V/LEG HGUPF5

Negative Center Tap (HGN)



Negative Center Tap 1.6A, 25000V/LEG HGUFN5

Doubler (3HGD)



(I_{FAVM} of Doubler is $I_{FAVM} \times 0.5$)
Doubler 2.0A, 15000V/LEG HGUFD5