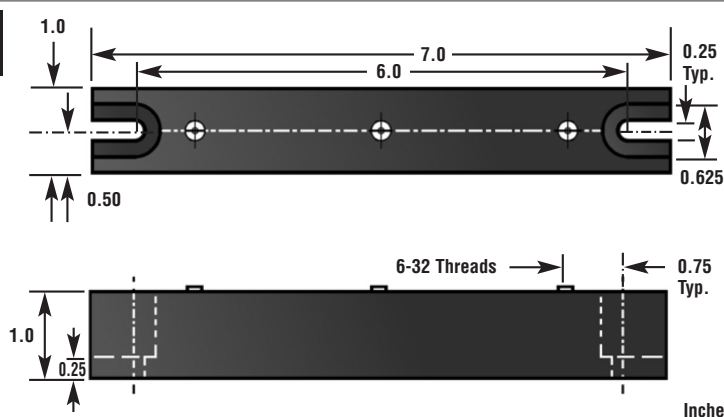



**HG, 3HG, 6HG,
Rectifier Blocks
High Voltage,
Mounting Slots**


Please Note:
For  Halfwave Assemblies,
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)


(I_{FAVM} 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 HGUPP5

Negative Center Tap (HGN)



Negative Center Tap 1.6A, 25000V/LEG HGUPN5

Doubler (3HGD)



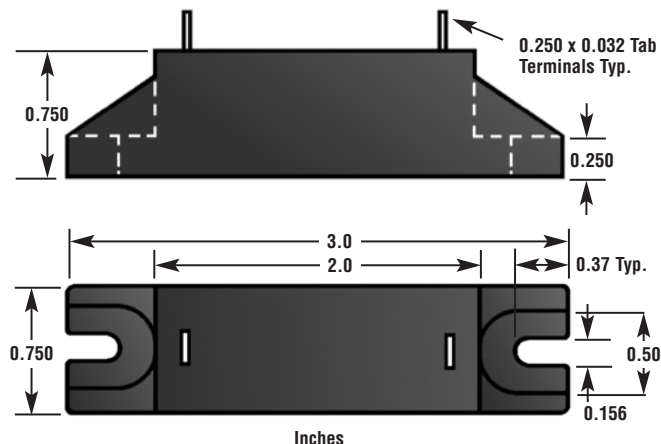
(I_{FAVM} of Doubler is $I_{FAVM} \times 0.5$)
Doubler 2.0A, 15000V/LEG HGUPD5



HC, 3HC, 3HCF, HCUF Rectifier Blocks High Voltage, Mounting Slots

**FIGURE
14**


Please Note:
For Solder Turrets Add Suffix "T"



Part Number	Repetitive Peak Reverse Voltage V_{RRM} V	Avg. Forward Current Max. $I_{FAVM@55^{\circ}C}$ A	Max. Forward Voltage Drop $V_F@I_{FAVM}$ 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
HC Series - Standard Recovery 1.0 Amp Glass Passivated Rectifier Assembly							
HC5	5000	1.0	4.5	0.5	50	-	14
HC8	8000	1.0	7.2	0.5	50	-	14
HC10	10000	1.0	9.0	0.5	50	-	14
HC12	12000	0.8	10.5	0.5	50	-	14
HC15	15000	0.7	14.0	0.5	50	-	14
HC20	20000	0.6	21.0	0.5	50	-	14
3HC Series - Standard Recovery 3.0 Amp Glass Passivated Rectifier Assembly							
3HC5	5000	2.5	4.8	0.5	150	-	14
3HC10	10000	2.0	9.0	0.5	150	-	14
3HC12	12000	1.75	10.5	0.5	150	-	14
3HC15	15000	1.5	13.2	0.5	150	-	14
HCF Series - Fast Recovery 1.0 Amp Glass Passivated Rectifier Assembly T_{RR} 150nS							
HCF5	5000	1.0	8.0	1.0	50	150	14
HCF8	8000	1.0	12.0	1.0	50	150	14
HCF10	10000	0.8	15.0	1.0	50	150	14
HCF12	12000	0.7	18.0	1.0	50	150	14
3HCF Series - Fast Recovery 3.0 Amp Glass Passivated Rectifier Assembly T_{RR} 250nS							
3HCF5	5000	2.0	7.0	0.5	100	250	14
3HCF10	10000	1.5	13.0	0.5	100	250	14
HCUF Series - Ultra Fast Recovery 1.0 Amp Rectifier Assembly T_{RR} 75nS							
HCUF5	5000	1.0	5.5	1.0	35	75	14
HCUF8	8000	1.0	8.8	1.0	35	75	14
HCUF10	10000	0.8	11.0	1.0	35	75	14
HCUF12	12000	0.7	13.2	1.0	35	75	14
HCUF15	15000	0.6	17.0	1.0	35	75	14
HCUSF Series - Ultra Super Fast Recovery 1.0 Amp Rectifier Assembly T_{RR} 35nS							
HCUSF5	5000	0.65	7.0	1.0	10	35	14
HCUSF8	8000	0.65	11.2	1.0	10	35	14
HCUSF10	10000	0.5	14.0	1.0	10	35	14
HCUSF12	12000	0.5	16.8	1.0	10	35	14
HCUSF15	15000	0.5	21.0	1.0	10	35	14
2HCUSF Series - Ultra Super Fast Recovery 2.0 Amp Rectifier Assembly T_{RR} 40nS							
2HCUSF3	3000	1.75	6.0	5.0	60	40	14
2HCUSF5	5000	1.75	10.0	5.0	60	40	14
2HCUSF8	8000	1.5	16.0	5.0	60	40	14
3HCUF Series - Fast Recovery 3.0 Amp Rectifier Assembly T_{RR} 75nS							
3HCUF5	5000	2.25	7.0	5.0	150	75	14
3HCUF8	8000	2.0	11.2	5.0	150	75	14
3HCUF10	10000	2.0	14.0	5.0	150	75	14

See page 23 for notes on max package operating voltage - V_{RRM} vs package applicability

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