



# 6HVRC SERIES

3 to 50kV, 2A, Standard Recovery  
Rectifier Blocks with Insert Mounting



## Features

- Medium Power
- Single and 2-Leg Versions, Resistor Capacitor Compensated
- Epoxy Molded Encapsulation with Mounting Inserts
- Threaded Brass Solder Terminal Inserts

## Specifications<sup>1</sup>

Part Number <sup>2</sup>	V <sub>RRM</sub> <sup>3</sup> V	I <sub>FAVM</sub> <sup>3</sup> A	V <sub>F</sub> <sup>3</sup> V	I <sub>R</sub> μA	I <sub>FSM</sub> A	L in.
<b>Common Anode (N) Center Tap Subseries (Figure 1)</b>						
6HVN5RC	5000	2	5	500	400	5.50
6HVN8RC	8000	2	8	500	400	8.25
6HVN10RC	10000	2	10	500	400	10.25
6HVN12RC	12000	2	12	500	400	13.25
6HVN15RC	15000	2	15	500	400	13.25
6HVN20RC	20000	2	20	500	400	25.00
6HVN25RC	25000	2	25	500	400	25.00
<b>Common Cathode (P) Center Tap Subseries (Figure 2)</b>						
6HVP5RC	5000	2	5	500	400	5.50
6HVP8RC	8000	2	8	500	400	8.25
6HVP10RC	10000	2	10	500	400	10.25
6HVP12RC	12000	2	12	500	400	13.25
6HVP15RC	15000	2	15	500	400	13.25
6HVP20RC	20000	2	20	500	400	25.00
6HVP25RC	25000	2	25	500	400	25.00
<b>Doubler-Style Center Tap Subseries (Figure 3)</b>						
6HVD5RC	5000	2	5	500	400	5.50
6HVD8RC	8000	2	8	500	400	8.25
6HVD10RC	10000	2	10	500	400	10.25
6HVD12RC	12000	2	12	500	400	13.25
6HVD15RC	15000	2	15	500	400	13.25
6HVD20RC	20000	2	20	500	400	25.00
6HVD25RC	25000	2	25	500	400	25.00
<b>Non-Tapped Subseries (Figure 4)</b>						
6HV3RC	3000	2	3	500	400	3.25
6HV5RC	5000	2	5	500	400	3.25
6HV8RC	8000	2	8	500	400	3.25
6HV10RC	10000	2	10	500	400	5.50
6HV12RC	12000	2	12	500	400	5.50
6HV15RC	15000	2	15	500	400	7.00
6HV20RC	20000	2	20	500	400	10.25
6HV25RC	25000	2	25	500	400	13.25
6HV30RC	30000	2	30	500	400	16.25
6HV40RC	40000	2	40	500	400	25.00
6HV50RC	50000	2	50	500	400	25.00



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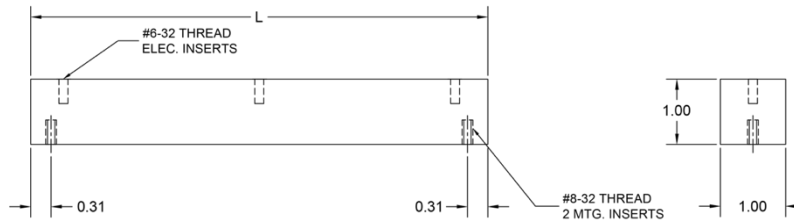
Temperature °C	
Operating Temperature	-55 to 150
Storage Temperature	-55 to 150
Maximum Junction Temperature	150

<sup>1</sup>25°C ambient temperature unless stated otherwise.

<sup>2</sup>For solder turrets add suffix "T"; for mounting studs add suffix "S".

<sup>3</sup>Check Specification Definitions for conditions details.

## Drawings



Dimensions in inches, tolerances  $\pm 0.020$  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 8.3 mS, Single Half Sine

## Configurations:

Figure 1

Common Anode (Negative) Center Tap

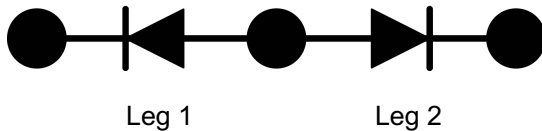


Figure 2

Common Cathode (Positive) Center Tap

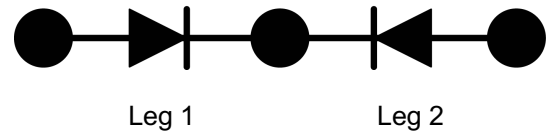


Figure 3

Doubler-Style Center Tap

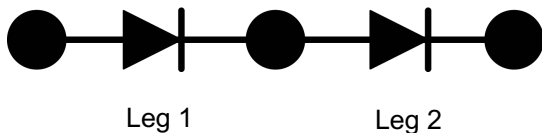


Figure 4

Non-Tapped



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

