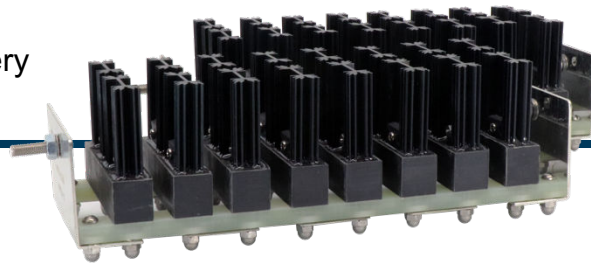




HRS5 SERIES

9.6 to 48kV, 5A, Standard Recovery
Power Rectifier Assemblies



Features

- Capacitor Compensated
- Fast Recovery Models Available
- Molded Plastic Body, ANSI/UL94 V-0 Rated
- Replacement for Phillips Amperex RS3.5, RS5, RS10, OSB-, OSM-, OSS, 9115, 9215, 9415

Specifications¹

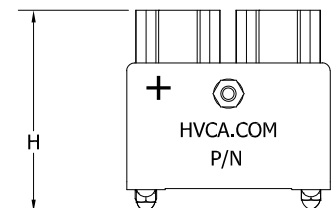
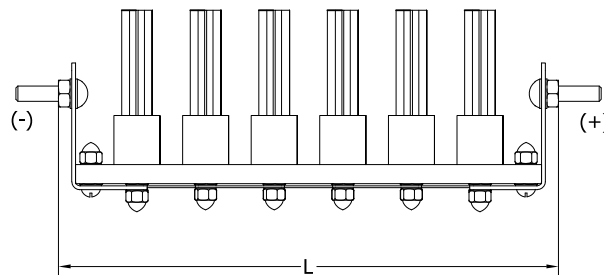
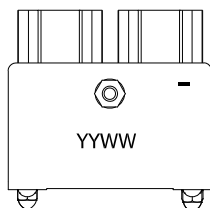
Part Number ²	V _{RRM} V	I _{FAVM1} A	I _{FAVM2} A	V _F V	I _R μA	I _{FSM} A	L in.	H in.
HRS5-6	9600	5	15	6	100	400	4.80	3.25
HRS5-9	16000	5	15	10	100	400	7.00	3.25
HRS5-12	19200	5	15	12	100	400	8.15	3.25
HRS5-15	25600	5	15	16	100	400	10.40	3.25
HRS5-18	28800	5	15	18	100	400	11.50	3.25
HRS5-21	32000	5	15	20	100	400	12.62	3.25
HRS5-24	38400	5	15	24	100	400	14.85	3.25
HRS5-27	41600	5	15	26	100	400	16.00	3.25
HRS5-30	48000	5	15	30	100	400	18.20	3.25

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

¹25°C ambient temperature unless stated otherwise.

²Add an "S" after the part number for M6-35 studs instead of the standard 1/4-28-1" studs.

Drawings



Dimensions in inches, tolerances ±0.020 except as noted



Specification Definitions

Specifications		Conditions
V_{RRM}	Maximum Repetitive Reverse Voltage	-
I_{FAVM1}	Maximum Average Forward Current	At $T_A = 50^\circ\text{C}$ or Below, Natural Convection Cooling
I_{FAVM2}	Maximum Average Forward Current	At $T_A = 50^\circ\text{C}$ or Below, Forced Air Cooling at 300 LFM
V_F	Maximum Forward Voltage Drop	At $I_F = 5.0\text{A}$
I_R	Maximum Leakage Current	At V_{RRM}
I_{FSM}	Maximum Surge Current	At 10mS, Single Half Sine

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

