



## 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

## Specifications<sup>1</sup>

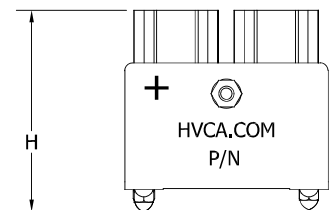
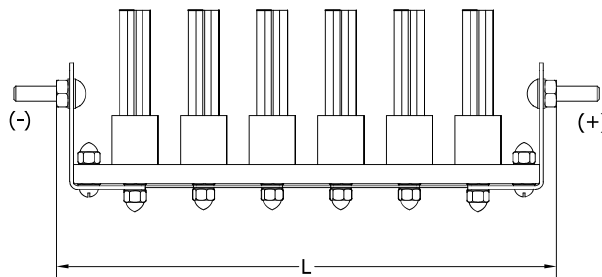
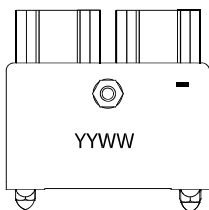
| Part Number <sup>2</sup> | V <sub>RRM</sub><br>V | I <sub>FAVM1</sub><br>A | I <sub>FAVM2</sub><br>A | V <sub>F</sub><br>V | I <sub>R</sub><br>μA | I <sub>FSM</sub><br>A | L<br>in. | H<br>in. |
|--------------------------|-----------------------|-------------------------|-------------------------|---------------------|----------------------|-----------------------|----------|----------|
| 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        |

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

<sup>2</sup>Add 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                                                       |
|--------------------------|------------------------------------|------------------------------------------------------------------|
| <b>V<sub>RRM</sub></b>   | Maximum Repetitive Reverse Voltage | -                                                                |
| <b>I<sub>FAVM1</sub></b> | Maximum Average Forward Current    | At T <sub>A</sub> = 50°C or Below, Natural Convection Cooling    |
| <b>I<sub>FAVM2</sub></b> | Maximum Average Forward Current    | At T <sub>A</sub> = 50°C or Below, Forced Air Cooling at 300 LFM |
| <b>V<sub>F</sub></b>     | Maximum Forward Voltage Drop       | At I <sub>F</sub> = 5.0A                                         |
| <b>I<sub>R</sub></b>     | Maximum Leakage Current            | At V <sub>RRM</sub>                                              |
| <b>I<sub>FSM</sub></b>   | Maximum Surge Current              | At 10mS, Single Half Sine                                        |

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

