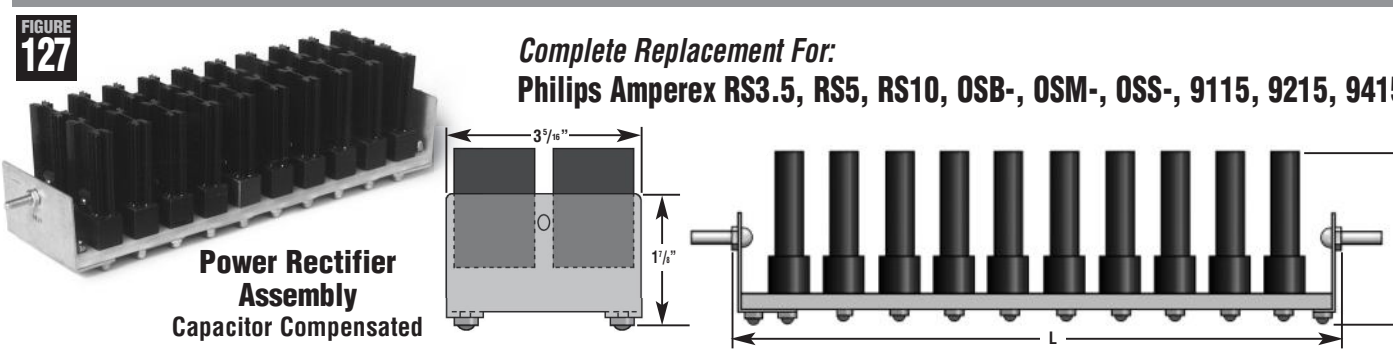


| Part Number                             | Repetitive Peak Reverse Voltage $V_{RRM}$<br>V | Avg. Maximum Forward Current Still Air<br>$@T_A=35^\circ C$<br>A | Avg. Maximum Forward Current Forced Air<br>$@T_A=55^\circ C^1$<br>A | Avg. Maximum Forward Current Forced Air<br>$@T_A=55^\circ C^1$<br>A | Max. Forward Voltage Drop @25°C<br>$V_F @ I_F=12A$<br>V | Max. Surge Current<br>$I_{FSM}(8.3ms)$<br>A | Max. Reverse Current<br>$I_R @ V_{RRM} 25^\circ C/100^\circ C$<br>nS | Package Length L<br>Inches | Figure |     |
|---|--|--|---|---|---|---|--|----------------------------|--------|-----|
| <b>HVHP Series - High Current Diode</b> |  | <b>Standard Recovery</b>   |   |   |   |   |  |                            |        |     |
| HVHP7K                                  | 7200   | 4.2  | 3.5   | 12  | 10  | 12  | 600  | 400/600                    | 6.5    | 126 |
| HVHP10K                                 | 10800  | 3.2  | 2.6   | 12  | 10  | 18  | 600  | 400/600                    | 6.5    | 126 |
| HVHP19K                                 | 19200  | 2.6  | 2.0   | 10  | 8.4   | 32  | 600  | 400/600                    | 12.5   | 126 |
| HVHP29K                                 | 29000  | 2  | 1.4   | 9   | 7.5   | 48  | 600  | 400/600                    | 12.5   | 126 |



| Part Number                           | Repetitive Peak Reverse Voltage $V_{RRM}$<br>V | Avg. Maximum Forward Current<br>$50^\circ C I_{FAVM}^2$<br>A | Avg. Maximum Forward Current<br>$50^\circ C I_{FAVM}^3$<br>A | Max. Forward Voltage Drop @25°C<br>$V_F @ I_F=5.0A$<br>V | Max. Surge Current<br>$I_{FSM} @ 10ms$<br>A | Max. Reverse Current<br>$I_R @ V_{RRM} @ 25^\circ C$<br>$\mu A$ | Package Length L<br>Inches | Figure |
|---------------------------------------|--|--|--|--|---|---|----------------------------|--------|
| <b>HRS5 Series - Power Rectifier</b>  |  | <b>Standard Recovery</b>                                     |  | <b>H = 3.25 Inches</b>                                   |   |   |                            |        |
| HRS5-6                                | 9600   | 5  | 15   | 6  | 400   | 100   | 4.8                        | 127    |
| HRS5-9                                | 16000  | 5  | 15   | 10   | 400   | 100   | 7.0                        | 127    |
| HRS5-12                               | 19200  | 5  | 15   | 12   | 400   | 100   | 8.15                       | 127    |
| HRS5-15                               | 25600  | 5  | 15   | 16   | 400   | 100   | 10.4                       | 127    |
| HRS5-18                               | 28800  | 5  | 15   | 18   | 400   | 100   | 11.5                       | 127    |
| HRS5-21                               | 32000  | 5  | 15   | 20   | 400   | 100   | 12.62                      | 127    |
| HRS5-24                               | 38400  | 5  | 15   | 24   | 400   | 100   | 14.85                      | 127    |
| HRS5-27                               | 41600  | 5  | 15   | 26   | 400   | 100   | 16                         | 127    |
| HRS5-30                               | 48000  | 5  | 15   | 30   | 400   | 100   | 18.2                       | 127    |
| <b>HRS10 Series - Power Rectifier</b> |  | <b>Standard Recovery</b>                                     |  | <b>H = 3.75 Inches</b>                                   |   |   |                            |        |
| HRS10-6                               | 9600   | 10   | 25   | 6  | 950   | 100   | 4.8                        | 127    |
| HRS10-9                               | 16000  | 10   | 25   | 10   | 950   | 100   | 7.0                        | 127    |
| HRS10-12                              | 19200  | 10   | 25   | 12   | 950   | 100   | 8.15                       | 127    |
| HRS10-15                              | 25600  | 10   | 25   | 16   | 950   | 100   | 10.4                       | 127    |
| HRS10-18                              | 28800  | 10   | 25   | 18   | 950   | 100   | 11.5                       | 127    |
| HRS10-21                              | 32000  | 10   | 25   | 20   | 950   | 100   | 12.62                      | 127    |
| HRS10-24                              | 38400  | 10   | 25   | 24   | 950   | 100   | 14.85                      | 127    |
| HRS10-27                              | 41600  | 10   | 25   | 26   | 950   | 100   | 16                         | 127    |
| HRS10-30                              | 48000  | 10   | 25   | 30   | 950   | 100   | 18.2                       | 127    |

For HRS series, add an S after the part number for M6-35 Studs instead of 1/4-28 - 1" studs which are standard. Fast recovery available.

<sup>1</sup> Ratings valid with 700 lfm of air at 35°C to 55°C with the case mounted to a proper heatsink and the air flow directed on the device.

<sup>2</sup> The current ratings in this column are for devices operated with convective cooling only. Ambient air temperature of 50°C or below.

<sup>3</sup> The current ratings in this column are for devices operated with forced air cooling. Air flow must equal or exceed 300 linear feet per minute flow with an ambient air temperature of 50°C or below.

Maximum operating and storage temperature -55°C to 125°C  
 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.