

Axial Lead Glass Passivated Rectifier Assembly Lead Diameter 0.050

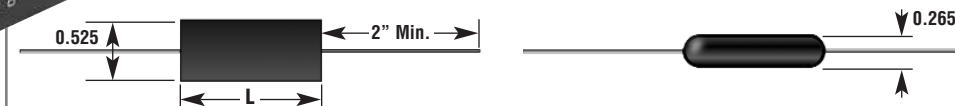


FIGURE 7

| HVCA Number                                                                                                                    | Repetitive Peak Reverse Voltage $V_{RRM}$ V(Volts) | Avg. Forward Current Max. $I_{FAVM@55^{\circ}C}$ A (Amps) | Max. Forward Voltage Drop $V_F@I_F$ V(Volts) | Max. Reverse Current $I_R@V_{RRM@25^{\circ}C}$ $\mu$ A(microAmps) | Max. Surge Current $I_{FSM}(8.3ms)$ A(Amps) | Max. Reverse Recovery Time $T_r(nsec)$ | Case Length L (Inches) |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------|---------------------------------------------|----------------------------------------|------------------------|
| <b>HV-Standard Recovery Axial Lead 1.0 Amp Glass Passivated Rectifier Assembly</b>                                             |                                                    |                                                           |                                              |                                                                   |                                             |                                        | <b>Figure 7</b>        |
| HV5000                                                                                                                         | 5000                                               | 0.6                                                       | 4.5                                          | 0.5                                                               | 50                                          | -                                      | 1.125                  |
| HV7500                                                                                                                         | 7500                                               | 0.6                                                       | 7.2                                          | 0.5                                                               | 50                                          | -                                      | 1.625                  |
| HV10000                                                                                                                        | 10000                                              | 0.6                                                       | 9.0                                          | 0.5                                                               | 50                                          | -                                      | 2.000                  |
| HV15000                                                                                                                        | 15000                                              | 0.6                                                       | 14.0                                         | 0.5                                                               | 50                                          | -                                      | 2.750                  |
| HV20000                                                                                                                        | 20000                                              | 0.6                                                       | 18.0                                         | 0.5                                                               | 50                                          | -                                      | 3.500                  |
| HV25000                                                                                                                        | 25000                                              | 0.6                                                       | 22.0                                         | 0.5                                                               | 50                                          | -                                      | 4.250                  |
| HV30000                                                                                                                        | 30000                                              | 0.6                                                       | 28.0                                         | 0.5                                                               | 50                                          | -                                      | 4.250                  |
| <b>HVF-Fast Recovery <math>T_r</math> 150 nsec Axial Lead 1.0 Amp Glass Passivated Rectifier Assembly</b>                      |                                                    |                                                           |                                              |                                                                   |                                             |                                        | <b>Figure 7</b>        |
| HVF2500                                                                                                                        | 2500                                               | 0.5                                                       | 6.0                                          | 0.5                                                               | 50                                          | 150                                    | 1.125                  |
| HVF5000                                                                                                                        | 5000                                               | 0.5                                                       | 9.0                                          | 0.5                                                               | 50                                          | 150                                    | 2.000                  |
| HVF7500                                                                                                                        | 7500                                               | 0.5                                                       | 12.0                                         | 0.5                                                               | 50                                          | 150                                    | 2.750                  |
| HVF10000                                                                                                                       | 10000                                              | 0.5                                                       | 15.0                                         | 0.5                                                               | 50                                          | 150                                    | 3.500                  |
| HVF12500                                                                                                                       | 12500                                              | 0.5                                                       | 20.0                                         | 0.5                                                               | 50                                          | 150                                    | 4.250                  |
| HVF15000                                                                                                                       | 15000                                              | 0.5                                                       | 24.0                                         | 0.5                                                               | 50                                          | 150                                    | 4.250                  |
| HVF20000                                                                                                                       | 20000                                              | 0.5                                                       | 30.0                                         | 0.5                                                               | 50                                          | 150                                    | 4.250                  |
| <b>HVUF-Ultra Fast Recovery <math>T_r</math> 75 nsec Axial Lead 1.0 Amp Rectifier Assembly</b>                                 |                                                    |                                                           |                                              |                                                                   |                                             |                                        | <b>Figure 7</b>        |
| HVUF2500                                                                                                                       | 2500                                               | 0.5                                                       | 3.3                                          | 1.0                                                               | 35                                          | 75                                     | 1.125                  |
| HVUF5000                                                                                                                       | 5000                                               | 0.5                                                       | 5.5                                          | 1.0                                                               | 35                                          | 75                                     | 1.125                  |
| HVUF7500                                                                                                                       | 7500                                               | 0.5                                                       | 8.8                                          | 1.0                                                               | 35                                          | 75                                     | 1.625                  |
| HVUF10000                                                                                                                      | 10000                                              | 0.5                                                       | 11.0                                         | 1.0                                                               | 35                                          | 75                                     | 2.000                  |
| HVUF12500                                                                                                                      | 12500                                              | 0.5                                                       | 15.0                                         | 1.0                                                               | 35                                          | 75                                     | 2.750                  |
| HVUF15000                                                                                                                      | 15000                                              | 0.5                                                       | 17.0                                         | 1.0                                                               | 35                                          | 75                                     | 2.750                  |
| HVUF20000                                                                                                                      | 20000                                              | 0.5                                                       | 22.0                                         | 1.0                                                               | 35                                          | 75                                     | 3.500                  |
| HVUF25000                                                                                                                      | 25000                                              | 0.5                                                       | 28.0                                         | 1.0                                                               | 35                                          | 75                                     | 4.250                  |
| <b>HVFE-Super Fast Recovery <math>T_r</math> 35 nsec Axial Lead 1.0 Amp Fast Efficient Glass Passivated Rectifier Assembly</b> |                                                    |                                                           |                                              |                                                                   |                                             |                                        | <b>Figure 7</b>        |
| HVFE2500                                                                                                                       | 2500                                               | 0.6                                                       | 13.0                                         | 1.0                                                               | 50                                          | 35                                     | 2.750                  |
| HVFE5000                                                                                                                       | 5000                                               | 0.6                                                       | 24.0                                         | 1.0                                                               | 50                                          | 35                                     | 4.250                  |
| <b>HVUSF-Ultra Super Fast Recovery <math>T_r</math> 35 nsec Axial Lead 1.0 Amp Rectifier Assembly</b>                          |                                                    |                                                           |                                              |                                                                   |                                             |                                        | <b>Figure 7</b>        |
| HVUSF2500                                                                                                                      | 2500                                               | 0.5                                                       | 4.2                                          | 1.0                                                               | 10                                          | 35                                     | 1.125                  |
| HVUSF5000                                                                                                                      | 5000                                               | 0.5                                                       | 7.0                                          | 1.0                                                               | 10                                          | 35                                     | 2.000                  |
| HVUSF7500                                                                                                                      | 7500                                               | 0.5                                                       | 11.2                                         | 1.0                                                               | 10                                          | 35                                     | 2.750                  |
| HVUSF10000                                                                                                                     | 10000                                              | 0.5                                                       | 14.0                                         | 1.0                                                               | 10                                          | 35                                     | 3.500                  |
| HVUSF12500                                                                                                                     | 12500                                              | 0.5                                                       | 18.2                                         | 1.0                                                               | 10                                          | 35                                     | 4.250                  |
| HVUSF15000                                                                                                                     | 15000                                              | 0.5                                                       | 21.0                                         | 1.0                                                               | 10                                          | 35                                     | 4.250                  |
| HVUSF20000                                                                                                                     | 20000                                              | 0.5                                                       | 28.0                                         | 1.0                                                               | 10                                          | 35                                     | 4.250                  |