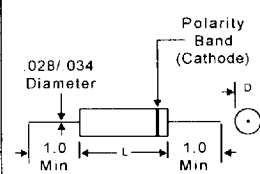
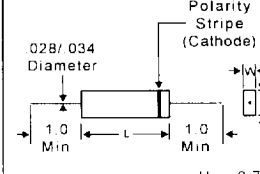
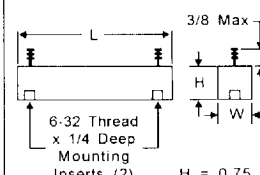
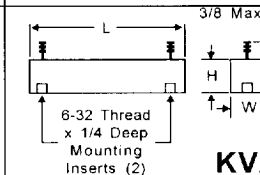


# HIGH VOLTAGE RECTIFIER ASSEMBLIES, Fast Recovery

| ISI<br>Part<br>Number                                                                                                                       | Average<br>Rectified<br>Current<br>at $T_a = 50^\circ\text{C}$ | Peak<br>Reverse<br>Voltage                                                                                                | Max Forward<br>Voltage @<br>Rated $I_o$ and<br>$T_a = 25^\circ\text{C}$    | Peak Forward<br>Surge Current<br>@ 8.3ms<br>Superimposed | Max Reverse<br>Current @<br>Rated PIV &<br>$T_a = 25^\circ\text{C}$ | Max Reverse<br>Current @<br>Rated PIV &<br>$T_a = 100^\circ\text{C}$ | Reverse<br>Recovery<br>Time @<br>Rated PIV | Case<br>Dimensions<br>(Inches)                                                                       |                                                                                         | Outline                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                             | $I_o$ (mA)                                                     | PRV (Volts)                                                                                                               | $V_{FR}$ (Volts)                                                           | $I_{FSM}$ (Amps)                                         | $I_R$ ( $\mu\text{A}$ )                                             | $I_R$ ( $\mu\text{A}$ )                                              | $T_{RR}$ (nsec)                            | L                                                                                                    | D                                                                                       |                                                                                                                                                                                                                |
| HVDR08<br>HVDR10<br>HVDR12<br>HVDR15<br>HVDR20<br>HVDR25<br>HVDR30<br>HVDR35<br>HVDR40                                                      | 25                                                             | 8,000<br>10,000<br>12,000<br>15,000<br>20,000<br>25,000<br>30,000<br>35,000<br>40,000                                     | 30<br><br>60<br><br>90                                                     | 3.0                                                      | 1.0                                                                 | 40                                                                   |                                            | 1.0<br><br>2.0<br><br>3.1                                                                            | 0.260<br><br>0.305                                                                      |  <p>Polarity<br/>Band<br/>(Cathode)</p> <p>0.028/ 0.034<br/>Diameter</p> <p>1.0 Min</p> <p>1.0 Min</p>                      |
| HVCR08<br>HVCR10<br>HVCR12<br>HVCR15<br>HVCR20<br>HVCR25<br>HVCR30<br>HVCR35<br>HVCR40<br>HVCR45<br>HVCR50                                  | 100                                                            | 8,000<br>10,000<br>12,000<br>15,000<br>20,000<br>25,000<br>30,000<br>35,000<br>40,000<br>45,000<br>50,000                 | 20<br>20<br>20<br>30<br>40<br>50<br>60<br>70<br>80<br>90<br>100            | 10                                                       | 2.0                                                                 | 100                                                                  |                                            | 1.00<br>1.00<br>1.00<br>1.63<br>2.13<br>2.63<br>3.13<br>3.63<br>4.13<br>4.63<br>5.13                 | 0.510                                                                                   |  <p>Polarity<br/>Stripe<br/>(Cathode)</p> <p>0.028/ 0.034<br/>Diameter</p> <p>1.0 Min</p> <p>1.0 Min</p> <p>H = 0.76</p>   |
| HVHC08R<br>HVHC10R<br>HVHC12R<br>HVHC15R<br>HVHC20R<br>HVHC25R<br>HVHC30R<br>HVHC35R<br>HVHC40R<br>HVHC45R<br>HVHC50R                       | 200                                                            | 8,000<br>10,000<br>12,000<br>15,000<br>20,000<br>25,000<br>30,000<br>35,000<br>40,000<br>45,000<br>50,000                 | 12<br>15<br>18<br>24<br>30<br>38<br>45<br>54<br>60<br>70<br>76             | 10                                                       | 2.0                                                                 | 100                                                                  |                                            | 1.00<br>1.25<br>1.50<br>2.00<br>2.50<br>3.00<br>3.75<br>4.00<br>5.00<br>6.25<br>6.25                 | 0.31                                                                                    |                                                                                                                                                                                                                |
| KVA05R<br>KVA06R<br>KVA07R<br>KVA08R<br>KVA09R<br>KVA10R<br>KVA15R<br>KVA20R<br>KVA25R<br>KVA30R<br>KVA35R<br>KVA40R<br>KVA50R              | 700                                                            | 5,000<br>6,000<br>7,000<br>8,000<br>9,000<br>10,000<br>15,000<br>20,000<br>25,000<br>30,000<br>35,000<br>40,000<br>50,000 | 10<br>11<br>12<br>13<br>16<br>17<br>25<br>30<br>36<br>43<br>50<br>58<br>72 | 30                                                       | 5.0                                                                 | 250                                                                  | 300                                        | 2.5<br>2.5<br>3.0<br>3.0<br>3.0<br>3.5<br>5.0<br>5.5<br>6.0<br>6.0<br>6.5<br>6.5<br>7.0              | 0.75                                                                                    |  <p>3/8 Max</p> <p>L</p> <p>H</p> <p>W</p> <p>6-32 Thread<br/>x 1/4 Deep<br/>Mounting<br/>Inserts (2)</p> <p>H = 0.75</p> |
| KVHC05R<br>KVHC06R<br>KVHC07R<br>KVHC08R<br>KVHC09R<br>KVHC10R<br>KVHC15R<br>KVHC20R<br>KVHC25R<br>KVHC30R<br>KVHC35R<br>KVHC40R<br>KVHC50R | 2.25<br>Amps                                                   | 5,000<br>6,000<br>7,000<br>8,000<br>9,000<br>10,000<br>15,000<br>20,000<br>25,000<br>30,000<br>35,000<br>40,000<br>50,000 | 10<br>11<br>12<br>13<br>16<br>17<br>25<br>33<br>42<br>50<br>58<br>65<br>82 | 150                                                      | 5.0                                                                 | 25                                                                   | 200                                        | 4.00<br>4.75<br>5.50<br>6.00<br>6.50<br>7.00<br>4.00<br>6.00<br>8.00<br>4.00<br>6.00<br>8.00<br>6.00 | 1.0<br>1.0<br>1.0<br>1.0<br>1.0<br>1.0<br>2.0<br>2.0<br>2.0<br>3.0<br>3.0<br>3.0<br>4.0 |  <p>3/8 Max</p> <p>L</p> <p>H</p> <p>W</p> <p>8-32 Thread<br/>x 1/4 Deep<br/>Mounting<br/>Inserts (6)</p> <p>H = 1.0</p>  |
|                                                                                                                                             | 2.50<br>Amps                                                   |                                                                                                                           |                                                                            |                                                          |                                                                     |                                                                      |                                            |                                                                                                      |                                                                                         |                                                                                                                                                                                                                |
|                                                                                                                                             |                                                                |                                                                                                                           |                                                                            |                                                          |                                                                     |                                                                      |                                            |                                                                                                      |                                                                                         |                                                                                                                                                                                                                |
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