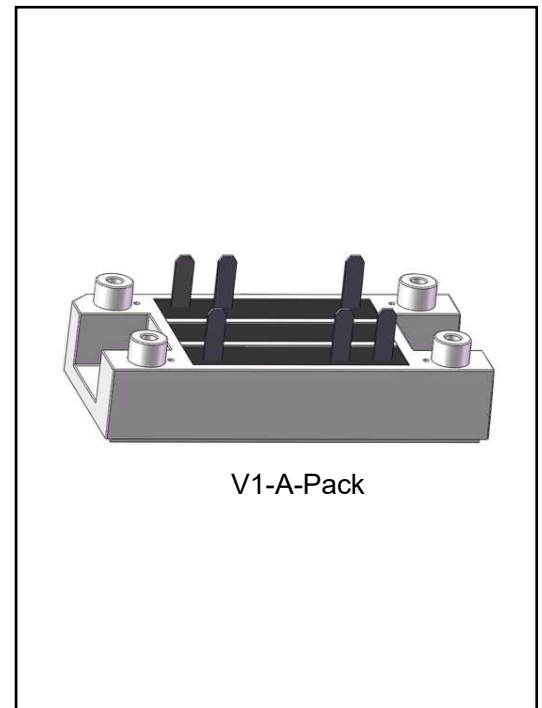


Anti-parallel Module

Description

- 1) A package consists of two inverse parallel SCR chips, which non-repetitive peak off-state voltage is up to 2300V
- 2) Welding by vacuum welding technology, which provide high reliability
- 3) Insulated by silicone gel, provide a insulation voltage of 3000V~



Typical Application

Soft start, solid state relay, AC/DC switch, temperature control.

Absolute Maximum Ratings (Packaged into V1-A-Pack, unless otherwise specified, $T_{CASE}=25^{\circ}C$)

| Parameter | Test Conditions | Symbol | Values | | | Unit |
|---|-----------------------------|--------------|-----------|------|------|-------------|
| | | | 18 | 20 | 22 | |
| Operating junction temperature range | | T_j | -40-125 | | | $^{\circ}C$ |
| Storage temperature range | | T_{stg} | -40-125 | | | $^{\circ}C$ |
| Repetitive peak off-state voltage | $T_j=25^{\circ}C$ | V_{DRM} | 1800 | 2000 | 2200 | V |
| Repetitive peak reverse voltage | $T_j=25^{\circ}C$ | V_{RRM} | 1800 | 2000 | 2200 | V |
| Non-repetitive peak off-state voltage | $T_j=25^{\circ}C$ | V_{DSM} | 1900 | 2100 | 2300 | V |
| Non-repetitive peak reverse voltage | $T_j=25^{\circ}C$ | V_{RSM} | 1900 | 2100 | 2300 | V |
| RMS on-state current | $T_C=85^{\circ}C$ | $I_{T(RMS)}$ | 120 | | | A |
| Peak on-state surge current | $t_p=10ms$ $V_R=0.6V_{RRM}$ | I_{TSM} | 1200 | | | A |
| I^2t value for fusing | $t_p=10ms$ $V_R=0.6V_{RRM}$ | I^2t | 7200 | | | A^2s |
| Critical rate of rise of on-state current | $I_G=2 \times I_{GT}$ | di/dt | 150 | | | $A/\mu s$ |
| Insulation voltage | A.C 50Hz(1s/1min) | V_{ISO} | 3600/3000 | | | V |

Electrical Characteristics (Packaged into V1-A-Pack, unless otherwise specified, $T_{CASE}=25^{\circ}C$)

| Parameter | Test Conditions | Symbol | Values | Unit |
|-----------------------------------|--|---------------|-------------|---------------|
| Peak on-state voltage | $I_T=240A$ $t_p=380\mu s$ | V_{TM} | ≤ 1.8 | V |
| Threshold voltage | $T_j=125^{\circ}C$ | V_{TO} | ≤ 0.95 | V |
| Dynamic resistance | $T_j=125^{\circ}C$ | R_d | ≤ 2.1 | m Ω |
| Repetitive peak off-state current | $V_D=V_{RRM}$ $T_C=25^{\circ}C$ | I_{DRM1} | ≤ 100 | μA |
| | $T_C=125^{\circ}C$ | I_{DRM2} | ≤ 30 | mA |
| Repetitive peak reverse current | $V_R=V_{RRM}$ $T_C=25^{\circ}C$ | I_{RRM1} | ≤ 100 | μA |
| | $T_C=125^{\circ}C$ | I_{RRM2} | ≤ 30 | mA |
| Triggering gate current | $V_D=12V$ $R_L=30\Omega$ | I_{GT} | 20-120 | mA |
| Holding current | $I_T=1A$ | I_H | ≤ 250 | mA |
| Latching current | $I_G=1.2 I_{GT}$ | I_L | ≤ 300 | mA |
| Triggering gate voltage | $V_D=12V$ $R_L=30\Omega$ | V_{GT} | ≤ 1.8 | V |
| Non triggering gate voltage | $V_D=V_{DRM}$ $T_j=125^{\circ}C$ | V_{GD} | ≥ 0.25 | V |
| Critical rate of rise of voltage | $V_D=2/3V_{DRM}$ $T_j=125^{\circ}C$ Gate Open | dv/dt | ≥ 1000 | V/ μs |
| Thermal resistance | Junction to case | $R_{th(j-c)}$ | 0.37 | $^{\circ}C/W$ |

Mechanical Characteristics

| Module size | 63x31.6mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|------|------------|--------|-------|-------|--|--|-------------|--|--|--------|--|--|-----|-----|-----|-----|-----|-----|---|------|---|------|-------|-------|-------|---|-----|-----|-----|-------|-------|-------|---|-----|-----|-----|-------|-------|-------|---|--|--|---|--|--|-------|---|-------|----|-------|-------|-------|-------|---|-----|-----|-----|-------|-------|-------|---|-------|------|-------|-------|-------|-------|---|-------|------|-------|-------|-------|-------|---|----|------|----|-------|-------|-------|---|------|------|------|-------|-------|-------|---|------|----|------|-------|-------|-------|---|-----|---|-----|-------|-------|-------|---|------|----|------|-------|-------|-------|---|----|------|----|-------|-------|-------|---|-------|----|-------|-------|-------|-------|---|-------|----|-------|-------|-------|-------|---|-----|-----|-----|-------|-------|-------|---|-----|-----|-----|-------|-------|-------|---|------|------|------|-------|-------|-------|---|------|------|------|-------|-------|-------|---|------|----|------|-------|-------|-------|---|-----|---|-----|-------|-------|-------|---|------|----|------|-------|-------|-------|
| Module height | 21.6mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="3">Ref</th> <th colspan="6">Dimensions</th> </tr> <tr> <th colspan="3">Millimeters</th> <th colspan="3">Inches</th> </tr> <tr> <th>Min</th> <th>Typ</th> <th>Max</th> <th>Min</th> <th>Typ</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>A</td><td>2.85</td><td>3</td><td>3.15</td><td>0.112</td><td>0.118</td><td>0.124</td></tr> <tr><td>B</td><td>2.3</td><td>2.5</td><td>2.7</td><td>0.091</td><td>0.098</td><td>0.106</td></tr> <tr><td>C</td><td>1.9</td><td>2.1</td><td>2.3</td><td>0.075</td><td>0.083</td><td>0.091</td></tr> <tr><td>D</td><td></td><td></td><td>6</td><td></td><td></td><td>0.236</td></tr> <tr><td>E</td><td>16.25</td><td>17</td><td>17.75</td><td>0.640</td><td>0.669</td><td>0.699</td></tr> <tr><td>F</td><td>0.4</td><td>0.5</td><td>0.6</td><td>0.016</td><td>0.020</td><td>0.024</td></tr> <tr><td>G</td><td>20.85</td><td>21.6</td><td>22.35</td><td>0.821</td><td>0.850</td><td>0.880</td></tr> <tr><td>H</td><td>30.85</td><td>31.6</td><td>32.35</td><td>1.215</td><td>1.244</td><td>1.274</td></tr> <tr><td>I</td><td>23</td><td>23.5</td><td>24</td><td>0.906</td><td>0.925</td><td>0.945</td></tr> <tr><td>J</td><td>0.25</td><td>0.75</td><td>1.25</td><td>0.010</td><td>0.030</td><td>0.049</td></tr> <tr><td>K</td><td>10.5</td><td>11</td><td>11.5</td><td>0.413</td><td>0.433</td><td>0.453</td></tr> <tr><td>L</td><td>6.5</td><td>7</td><td>7.5</td><td>0.256</td><td>0.276</td><td>0.295</td></tr> <tr><td>M</td><td>49.5</td><td>50</td><td>50.5</td><td>1.949</td><td>1.989</td><td>1.988</td></tr> <tr><td>N</td><td>51</td><td>51.5</td><td>52</td><td>2.008</td><td>2.028</td><td>2.047</td></tr> <tr><td>O</td><td>62.25</td><td>63</td><td>63.75</td><td>2.451</td><td>2.480</td><td>2.510</td></tr> <tr><td>P</td><td>10.25</td><td>11</td><td>11.75</td><td>0.404</td><td>0.433</td><td>0.463</td></tr> <tr><td>Q</td><td>5.6</td><td>6.1</td><td>6.6</td><td>0.220</td><td>0.240</td><td>0.260</td></tr> <tr><td>R</td><td>0.3</td><td>0.5</td><td>0.7</td><td>0.012</td><td>0.020</td><td>0.028</td></tr> <tr><td>S</td><td>2.55</td><td>2.75</td><td>2.95</td><td>0.100</td><td>0.108</td><td>0.116</td></tr> <tr><td>T</td><td>0.25</td><td>0.75</td><td>1.25</td><td>0.010</td><td>0.030</td><td>0.049</td></tr> <tr><td>U</td><td>10.5</td><td>11</td><td>11.5</td><td>0.413</td><td>0.433</td><td>0.453</td></tr> <tr><td>V</td><td>6.5</td><td>7</td><td>7.5</td><td>0.256</td><td>0.276</td><td>0.295</td></tr> <tr><td>W</td><td>10.5</td><td>11</td><td>11.5</td><td>0.413</td><td>0.433</td><td>0.453</td></tr> </tbody> </table> | | Ref | Dimensions | | | | | | Millimeters | | | Inches | | | Min | Typ | Max | Min | Typ | Max | A | 2.85 | 3 | 3.15 | 0.112 | 0.118 | 0.124 | B | 2.3 | 2.5 | 2.7 | 0.091 | 0.098 | 0.106 | C | 1.9 | 2.1 | 2.3 | 0.075 | 0.083 | 0.091 | D | | | 6 | | | 0.236 | E | 16.25 | 17 | 17.75 | 0.640 | 0.669 | 0.699 | F | 0.4 | 0.5 | 0.6 | 0.016 | 0.020 | 0.024 | G | 20.85 | 21.6 | 22.35 | 0.821 | 0.850 | 0.880 | H | 30.85 | 31.6 | 32.35 | 1.215 | 1.244 | 1.274 | I | 23 | 23.5 | 24 | 0.906 | 0.925 | 0.945 | J | 0.25 | 0.75 | 1.25 | 0.010 | 0.030 | 0.049 | K | 10.5 | 11 | 11.5 | 0.413 | 0.433 | 0.453 | L | 6.5 | 7 | 7.5 | 0.256 | 0.276 | 0.295 | M | 49.5 | 50 | 50.5 | 1.949 | 1.989 | 1.988 | N | 51 | 51.5 | 52 | 2.008 | 2.028 | 2.047 | O | 62.25 | 63 | 63.75 | 2.451 | 2.480 | 2.510 | P | 10.25 | 11 | 11.75 | 0.404 | 0.433 | 0.463 | Q | 5.6 | 6.1 | 6.6 | 0.220 | 0.240 | 0.260 | R | 0.3 | 0.5 | 0.7 | 0.012 | 0.020 | 0.028 | S | 2.55 | 2.75 | 2.95 | 0.100 | 0.108 | 0.116 | T | 0.25 | 0.75 | 1.25 | 0.010 | 0.030 | 0.049 | U | 10.5 | 11 | 11.5 | 0.413 | 0.433 | 0.453 | V | 6.5 | 7 | 7.5 | 0.256 | 0.276 | 0.295 | W | 10.5 | 11 | 11.5 | 0.413 | 0.433 | 0.453 |
| Ref | Dimensions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Millimeters | | | Inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Min | Typ | Max | Min | Typ | Max | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 2.85 | 3 | 3.15 | 0.112 | 0.118 | 0.124 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 2.3 | 2.5 | 2.7 | 0.091 | 0.098 | 0.106 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 1.9 | 2.1 | 2.3 | 0.075 | 0.083 | 0.091 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | | | 6 | | | 0.236 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | 16.25 | 17 | 17.75 | 0.640 | 0.669 | 0.699 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | 0.4 | 0.5 | 0.6 | 0.016 | 0.020 | 0.024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G | 20.85 | 21.6 | 22.35 | 0.821 | 0.850 | 0.880 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 30.85 | 31.6 | 32.35 | 1.215 | 1.244 | 1.274 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I | 23 | 23.5 | 24 | 0.906 | 0.925 | 0.945 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J | 0.25 | 0.75 | 1.25 | 0.010 | 0.030 | 0.049 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K | 10.5 | 11 | 11.5 | 0.413 | 0.433 | 0.453 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | 6.5 | 7 | 7.5 | 0.256 | 0.276 | 0.295 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 49.5 | 50 | 50.5 | 1.949 | 1.989 | 1.988 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N | 51 | 51.5 | 52 | 2.008 | 2.028 | 2.047 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| O | 62.25 | 63 | 63.75 | 2.451 | 2.480 | 2.510 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P | 10.25 | 11 | 11.75 | 0.404 | 0.433 | 0.463 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q | 5.6 | 6.1 | 6.6 | 0.220 | 0.240 | 0.260 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R | 0.3 | 0.5 | 0.7 | 0.012 | 0.020 | 0.028 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S | 2.55 | 2.75 | 2.95 | 0.100 | 0.108 | 0.116 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T | 0.25 | 0.75 | 1.25 | 0.010 | 0.030 | 0.049 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U | 10.5 | 11 | 11.5 | 0.413 | 0.433 | 0.453 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V | 6.5 | 7 | 7.5 | 0.256 | 0.276 | 0.295 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W | 10.5 | 11 | 11.5 | 0.413 | 0.433 | 0.453 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Ordering Information

Aiko Electronics Technology Co., LTD

AK **121** **KQ** **-22**

$I_{T(RMS)}=120A$

18: $V_{DSM}/V_{RSM} \geq 1900V$
 20: $V_{DSM}/V_{RSM} \geq 2100V$
 22: $V_{DSM}/V_{RSM} \geq 2300V$

Module of anti-parallel of SCRs