

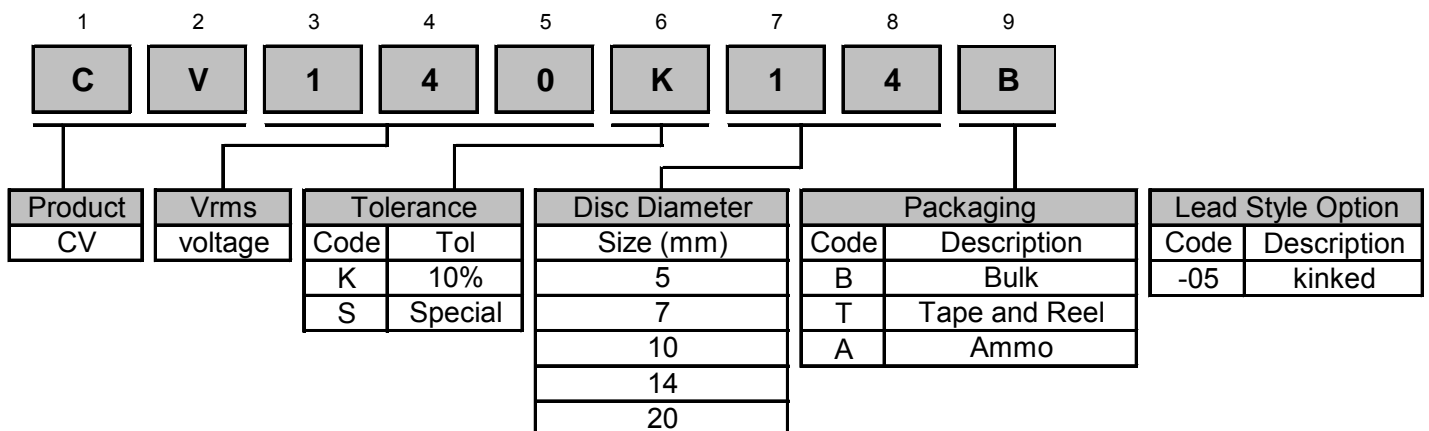
**Description:** The CV Series of transient surge suppressors is disc-shaped varistors that can be operated continuously in low and medium voltage electronic circuits, as well as across AC power lines. Due to their radial lead construction, these components require very little mounting space. They are available in five model sizes from 5 to 20mm and feature a wide range of AC operating voltages from 50V to 680V.



- Features:**
- AC operating voltage (Vrms) from 50V to 680V
  - DC operating voltage (Vdc) from 65V to 820V
  - Broad range of current and energy handling capability
  - For RMS voltages ≤40V see ZV leaded series
  - 5 model sizes available from 5mm to 20mm
  - UL, CAC, CEDD approved
  - +85°C continuous operating temperature

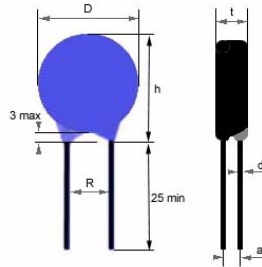
| General Technical Data                    |                 |                                |
|---|-----------------|--------------------------------|
| Climatic Category                         | 40 / 85 / 56    | In accordance with IEC 60068-1 |
| Operating Temperature                     | -40°C to +85°C  | In accordance with CECC 42 000 |
| Storage Temperature Range                 | -40°C to +125°C |                                |
| Threshold Voltage Temperature Coefficient | ≤0.05% / °C     |                                |
| Isolation Voltage Capability              | > 2.5kV         | In accordance with CECC 42 000 |
| Response Time                             | < 25 ns         |                                |
| Insulation Resistance                     | > 1 Gohm        | In accordance with CECC 42 000 |

### How to Order



**Standard Packaging Options / Quantities**

| Series | Voltage      | 5mm   |       | 7mm   |       | 10mm  |      | 14mm |      | 20mm |      |
|--------|--------------|-------|-------|-------|-------|-------|------|------|------|------|------|
|        | Range (Vrms) | Reel  | Bulk  | Reel  | Bulk  | Reel  | Bulk | Reel | Bulk | Reel | Bulk |
| CV     | 11 - 17      | 1,800 | 1,500 | 1,500 | 1,500 | 1,300 | 600  | N/A  | N/A  | N/A  | N/A  |
|        | 20 - 75      | 1,500 | 1,500 | 1,500 | 1,500 | 1,300 | 600  | 700  | 500  | 600  | 300  |
|        | 95           | 1,500 | 1,500 | 1,500 | 1,000 | 1,300 | 600  | 600  | 500  | 600  | 300  |
|        | 115 - 130    | 1,300 | 1,500 | 1,300 | 1,000 | 1,000 | 500  | 600  | 500  | 500  | 300  |
|        | 140 - 150    | 1,200 | 1,500 | 1,200 | 1,000 | 1,000 | 500  | 600  | 500  | 500  | 300  |
|        | 175          | 1,200 | 1,500 | 1,200 | 1,000 | 1,000 | 500  | 500  | 500  | 500  | 300  |
|        | 230          | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 500  | 500  | 300  | 400  | 300  |
|        | 250 - 275    | 1,000 | 1,000 | 1,000 | 1,000 | 800   | 500  | 400  | 300  | 400  | 300  |
|        | 300          | N/A   | N/A   | N/A   | 1,000 | 800   | 500  | 400  | 300  | 400  | 200  |
|        | 320          | N/A   | N/A   | N/A   | N/A   | 800   | 500  | 400  | 300  | 300  | 200  |
|        | 385          | N/A   | N/A   | N/A   | N/A   | 700   | 400  | 400  | 300  | 300  | 200  |
|        | 420          | N/A   | N/A   | N/A   | N/A   | 700   | 400  | 300  | 300  | 300  | 200  |
|        | 460 - 550    | N/A   | N/A   | N/A   | N/A   | 600   | 400  | 300  | 300  | 300  | 200  |



**Device Ratings and Dimensions**

| Part Number     | V <sub>RMS</sub> (volts) | V <sub>DC</sub> (volts) | V <sub>N</sub> (volts) | V <sub>C</sub> (volts) | I <sub>C</sub> (amps) | W <sub>MAX</sub> (joules) | P <sub>MAX</sub> (watts) | I <sub>P</sub> (amps) | C <sub>TYP</sub> (pF) | D <sub>MAX</sub> (mm) | t <sub>MAX</sub> (mm) | R (mm)   | d (mm)     | h <sub>MAX</sub> (mm) |
|-----------------|--------------------------|-------------------------|------------------------|------------------------|-----------------------|---------------------------|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|------------|-----------------------|
| <b>CV50K05</b>  | <b>50</b>                | <b>65</b>               | <b>82</b>              | <b>135</b>             | <b>5</b>              | <b>2.7</b>                | <b>0.10</b>              | <b>400</b>            | <b>350</b>            | <b>7</b>              | <b>3.5</b>            | <b>5</b> | <b>0.6</b> | <b>9.5</b>            |
| CV60K05         | 60                       | 85                      | 100                    | 165                    | 5                     | 3.0                       | 0.10                     | 400                   | 300                   | 7                     | 3.5                   | 5        | 0.6        | 9.5                   |
| <b>CV75K05</b>  | <b>75</b>                | <b>100</b>              | <b>120</b>             | <b>200</b>             | <b>5</b>              | <b>4.0</b>                | <b>0.10</b>              | <b>400</b>            | <b>250</b>            | <b>7</b>              | <b>3.6</b>            | <b>5</b> | <b>0.6</b> | <b>9.5</b>            |
| CV95K05         | 95                       | 125                     | 150                    | 250                    | 5                     | 6.0                       | 0.10                     | 400                   | 200                   | 7                     | 3.8                   | 5        | 0.6        | 9.5                   |
| <b>CV115K05</b> | <b>115</b>               | <b>150</b>              | <b>180</b>             | <b>300</b>             | <b>5</b>              | <b>6.0</b>                | <b>0.10</b>              | <b>400</b>            | <b>180</b>            | <b>7</b>              | <b>4.0</b>            | <b>5</b> | <b>0.6</b> | <b>9.5</b>            |
| CV130K05        | 130                      | 170                     | 205                    | 340                    | 5                     | 7.0                       | 0.10                     | 400                   | 160                   | 7                     | 4.0                   | 5        | 0.6        | 9.5                   |
| <b>CV140K05</b> | <b>140</b>               | <b>180</b>              | <b>220</b>             | <b>360</b>             | <b>5</b>              | <b>7.0</b>                | <b>0.10</b>              | <b>400</b>            | <b>150</b>            | <b>7</b>              | <b>4.1</b>            | <b>5</b> | <b>0.6</b> | <b>9.5</b>            |
| CV150K05        | 150                      | 200                     | 240                    | 395                    | 5                     | 9.0                       | 0.10                     | 400                   | 140                   | 7                     | 4.3                   | 5        | 0.6        | 9.5                   |
| <b>CV175K05</b> | <b>175</b>               | <b>225</b>              | <b>270</b>             | <b>455</b>             | <b>5</b>              | <b>9.5</b>                | <b>0.10</b>              | <b>400</b>            | <b>120</b>            | <b>7</b>              | <b>4.8</b>            | <b>5</b> | <b>0.6</b> | <b>9.5</b>            |
| CV230K05        | 230                      | 300                     | 360                    | 595                    | 5                     | 13.0                      | 0.10                     | 400                   | 95                    | 7                     | 4.8                   | 5        | 0.6        | 9.5                   |
| <b>CV250K05</b> | <b>250</b>               | <b>320</b>              | <b>390</b>             | <b>650</b>             | <b>5</b>              | <b>14.0</b>               | <b>0.10</b>              | <b>400</b>            | <b>80</b>             | <b>7</b>              | <b>5.0</b>            | <b>5</b> | <b>0.6</b> | <b>9.5</b>            |
| CV275K05        | 275                      | 350                     | 430                    | 710                    | 5                     | 16.0                      | 0.10                     | 400                   | 75                    | 7                     | 5.6                   | 5        | 0.6        | 9.5                   |

|                 |            |            |            |            |           |             |             |              |            |          |            |          |            |             |
|-----------------|------------|------------|------------|------------|-----------|-------------|-------------|--------------|------------|----------|------------|----------|------------|-------------|
| <b>CV50K07</b>  | <b>50</b>  | <b>65</b>  | <b>82</b>  | <b>135</b> | <b>10</b> | <b>6.8</b>  | <b>0.25</b> | <b>1,200</b> | <b>820</b> | <b>9</b> | <b>3.5</b> | <b>5</b> | <b>0.6</b> | <b>11.5</b> |
| CV60K07         | 60         | 85         | 100        | 165        | 10        | 7.0         | 0.25        | 1,200        | 680        | 9        | 3.5        | 5        | 0.6        | 11.5        |
| <b>CV75K07</b>  | <b>75</b>  | <b>100</b> | <b>120</b> | <b>200</b> | <b>10</b> | <b>9.0</b>  | <b>0.25</b> | <b>1,200</b> | <b>550</b> | <b>9</b> | <b>3.6</b> | <b>5</b> | <b>0.6</b> | <b>11.5</b> |
| CV95K07         | 95         | 125        | 150        | 250        | 10        | 11.0        | 0.25        | 1,200        | 440        | 9        | 3.8        | 5        | 0.6        | 11.5        |
| <b>CV115K07</b> | <b>115</b> | <b>150</b> | <b>180</b> | <b>300</b> | <b>10</b> | <b>13.0</b> | <b>0.25</b> | <b>1,200</b> | <b>360</b> | <b>9</b> | <b>4.0</b> | <b>5</b> | <b>0.6</b> | <b>11.5</b> |
| CV130K07        | 130        | 170        | 205        | 340        | 10        | 15.0        | 0.25        | 1,200        | 320        | 9        | 4.0        | 5        | 0.6        | 11.5        |
| <b>CV140K07</b> | <b>140</b> | <b>180</b> | <b>220</b> | <b>360</b> | <b>10</b> | <b>18.0</b> | <b>0.25</b> | <b>1,200</b> | <b>300</b> | <b>9</b> | <b>4.1</b> | <b>5</b> | <b>0.6</b> | <b>11.5</b> |
| CV150K07        | 150        | 200        | 240        | 395        | 10        | 18.0        | 0.25        | 1,200        | 280        | 9        | 4.3        | 5        | 0.6        | 11.5        |
| <b>CV175K07</b> | <b>175</b> | <b>225</b> | <b>270</b> | <b>455</b> | <b>10</b> | <b>21.0</b> | <b>0.25</b> | <b>1,200</b> | <b>250</b> | <b>9</b> | <b>4.8</b> | <b>5</b> | <b>0.6</b> | <b>11.5</b> |
| CV230K07        | 230        | 300        | 360        | 595        | 10        | 28.0        | 0.25        | 1,200        | 190        | 9        | 4.8        | 5        | 0.6        | 11.5        |
| <b>CV250K07</b> | <b>250</b> | <b>320</b> | <b>390</b> | <b>650</b> | <b>10</b> | <b>30.0</b> | <b>0.25</b> | <b>1,200</b> | <b>180</b> | <b>9</b> | <b>5.0</b> | <b>5</b> | <b>0.6</b> | <b>11.5</b> |
| CV275K07        | 275        | 350        | 430        | 710        | 10        | 35.0        | 0.25        | 1,200        | 160        | 9        | 5.6        | 5        | 0.6        | 11.5        |
| <b>CV300K07</b> | <b>300</b> | <b>385</b> | <b>470</b> | <b>775</b> | <b>10</b> | <b>37.0</b> | <b>0.25</b> | <b>1,200</b> | <b>150</b> | <b>9</b> | <b>5.8</b> | <b>5</b> | <b>0.6</b> | <b>11.5</b> |

### Device Ratings and Dimensions

| Part Number     | V <sub>RMS</sub><br>(volts) | V <sub>DC</sub><br>(volts) | V <sub>N</sub><br>(volts) | V <sub>C</sub><br>(volts) | I <sub>C</sub><br>(amps) | W <sub>MAX</sub><br>(joules) | P <sub>MAX</sub><br>(watts) | I <sub>P</sub><br>(amps) | C <sub>TYP</sub><br>(pF) | D <sub>MAX</sub><br>(mm) | t <sub>MAX</sub><br>(mm) | R<br>(mm)  | d<br>(mm)  | h <sub>MAX</sub><br>(mm) |
|-----------------|-----------------------------|----------------------------|---------------------------|---------------------------|--------------------------|------------------------------|-----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|------------|--------------------------|
| <b>CV50K10</b>  | <b>50</b>                   | <b>65</b>                  | <b>82</b>                 | <b>135</b>                | <b>25</b>                | <b>17</b>                    | <b>0.4</b>                  | <b>2,500</b>             | <b>1,400</b>             | <b>12.5</b>              | <b>4.1</b>               | <b>7.5</b> | <b>0.8</b> | <b>15</b>                |
| CV60K10         | 60                          | 85                         | 100                       | 165                       | 25                       | 16                           | 0.4                         | 2,500                    | 1,200                    | 12.5                     | 4.1                      | 7.5        | 0.8        | 15                       |
| <b>CV75K10</b>  | <b>75</b>                   | <b>100</b>                 | <b>120</b>                | <b>200</b>                | <b>25</b>                | <b>21</b>                    | <b>0.4</b>                  | <b>2,500</b>             | <b>950</b>               | <b>12.5</b>              | <b>4.2</b>               | <b>7.5</b> | <b>0.8</b> | <b>15</b>                |
| CV95K10         | 95                          | 125                        | 150                       | 250                       | 25                       | 25                           | 0.4                         | 2,500                    | 750                      | 12.5                     | 4.3                      | 7.5        | 0.8        | 15                       |
| <b>CV115K10</b> | <b>115</b>                  | <b>150</b>                 | <b>180</b>                | <b>300</b>                | <b>25</b>                | <b>30</b>                    | <b>0.4</b>                  | <b>2,500</b>             | <b>650</b>               | <b>12.5</b>              | <b>4.3</b>               | <b>7.5</b> | <b>0.8</b> | <b>15</b>                |
| CV130K10        | 130                         | 170                        | 205                       | 340                       | 25                       | 34                           | 0.4                         | 2,500                    | 580                      | 12.5                     | 4.5                      | 7.5        | 0.8        | 15                       |
| <b>CV140K10</b> | <b>140</b>                  | <b>180</b>                 | <b>220</b>                | <b>360</b>                | <b>25</b>                | <b>37</b>                    | <b>0.4</b>                  | <b>2,500</b>             | <b>540</b>               | <b>12.5</b>              | <b>4.6</b>               | <b>7.5</b> | <b>0.8</b> | <b>15</b>                |
| CV150K10        | 150                         | 200                        | 240                       | 395                       | 25                       | 41                           | 0.4                         | 2,500                    | 510                      | 12.5                     | 4.6                      | 7.5        | 0.8        | 15                       |
| <b>CV175K10</b> | <b>175</b>                  | <b>225</b>                 | <b>270</b>                | <b>455</b>                | <b>25</b>                | <b>46</b>                    | <b>0.4</b>                  | <b>2,500</b>             | <b>440</b>               | <b>12.5</b>              | <b>4.9</b>               | <b>7.5</b> | <b>0.8</b> | <b>15</b>                |
| CV230K10        | 230                         | 300                        | 360                       | 595                       | 25                       | 62                           | 0.4                         | 2,500                    | 350                      | 12.5                     | 5.4                      | 7.5        | 0.8        | 15                       |
| <b>CV250K10</b> | <b>250</b>                  | <b>320</b>                 | <b>390</b>                | <b>650</b>                | <b>25</b>                | <b>68</b>                    | <b>0.4</b>                  | <b>2,500</b>             | <b>320</b>               | <b>12.5</b>              | <b>5.6</b>               | <b>7.5</b> | <b>0.8</b> | <b>15</b>                |
| CV275K10        | 275                         | 350                        | 430                       | 710                       | 25                       | 78                           | 0.4                         | 2,500                    | 300                      | 12.5                     | 6.0                      | 7.5        | 0.8        | 15                       |
| <b>CV300K10</b> | <b>300</b>                  | <b>385</b>                 | <b>470</b>                | <b>775</b>                | <b>25</b>                | <b>82</b>                    | <b>0.4</b>                  | <b>2,500</b>             | <b>280</b>               | <b>12.5</b>              | <b>6.1</b>               | <b>7.5</b> | <b>0.8</b> | <b>15</b>                |
| CV320K10        | 320                         | 420                        | 510                       | 840                       | 25                       | 91                           | 0.4                         | 2,500                    | 260                      | 12.5                     | 6.8                      | 7.5        | 0.8        | 15                       |
| <b>CV385K10</b> | <b>385</b>                  | <b>505</b>                 | <b>620</b>                | <b>1025</b>               | <b>25</b>                | <b>93</b>                    | <b>0.4</b>                  | <b>2,500</b>             | <b>230</b>               | <b>12.5</b>              | <b>7.4</b>               | <b>7.5</b> | <b>0.8</b> | <b>16</b>                |
| CV420K10        | 420                         | 560                        | 680                       | 1120                      | 25                       | 97                           | 0.4                         | 2,500                    | 210                      | 12.5                     | 7.3                      | 7.5        | 0.8        | 16                       |
| <b>CV460K10</b> | <b>460</b>                  | <b>615</b>                 | <b>750</b>                | <b>1240</b>               | <b>25</b>                | <b>106</b>                   | <b>0.4</b>                  | <b>2,500</b>             | <b>200</b>               | <b>12.5</b>              | <b>7.8</b>               | <b>7.5</b> | <b>0.8</b> | <b>16</b>                |
| CV510K10        | 510                         | 670                        | 820                       | 1355                      | 25                       | 115                          | 0.4                         | 2,500                    | 180                      | 12.5                     | 8.2                      | 7.5        | 0.8        | 16                       |
| <b>CV550K10</b> | <b>550</b>                  | <b>745</b>                 | <b>910</b>                | <b>1500</b>               | <b>25</b>                | <b>134</b>                   | <b>0.4</b>                  | <b>2,500</b>             | <b>170</b>               | <b>12.5</b>              | <b>8.8</b>               | <b>7.5</b> | <b>0.8</b> | <b>16</b>                |
| CV575K10        | 575                         | 750                        | 950                       | 1570                      | 25                       | 136                          | 0.4                         | 2,500                    | 165                      | 12.5                     | 8.9                      | 7.5        | 0.8        | 16                       |
| <b>CV625K10</b> | <b>625</b>                  | <b>825</b>                 | <b>1000</b>               | <b>1650</b>               | <b>25</b>                | <b>140</b>                   | <b>0.4</b>                  | <b>2,500</b>             | <b>160</b>               | <b>12.5</b>              | <b>9.1</b>               | <b>7.5</b> | <b>0.8</b> | <b>16</b>                |
| CV680K10        | 680                         | 895                        | 1100                      | 1815                      | 25                       | 155                          | 0.4                         | 2,500                    | 150                      | 12.5                     | 9.7                      | 7.5        | 0.8        | 16                       |

|                 |            |            |             |             |           |            |            |              |              |             |            |            |            |           |
|-----------------|------------|------------|-------------|-------------|-----------|------------|------------|--------------|--------------|-------------|------------|------------|------------|-----------|
| <b>CV50K14</b>  | <b>50</b>  | <b>65</b>  | <b>82</b>   | <b>135</b>  | <b>50</b> | <b>35</b>  | <b>0.6</b> | <b>4,500</b> | <b>2,600</b> | <b>16.5</b> | <b>4.1</b> | <b>7.5</b> | <b>0.8</b> | <b>20</b> |
| CV60K14         | 60         | 85         | 100         | 165         | 50        | 34         | 0.6        | 4,500        | 2,200        | 16.5        | 4.2        | 7.5        | 0.8        | 20        |
| <b>CV75K14</b>  | <b>75</b>  | <b>100</b> | <b>120</b>  | <b>200</b>  | <b>50</b> | <b>41</b>  | <b>0.6</b> | <b>4,500</b> | <b>1,800</b> | <b>16.5</b> | <b>4.2</b> | <b>7.5</b> | <b>0.8</b> | <b>20</b> |
| CV95K14         | 95         | 125        | 150         | 250         | 50        | 52         | 0.6        | 4,500        | 1,400        | 16.5        | 4.3        | 7.5        | 0.8        | 20        |
| <b>CV115K14</b> | <b>115</b> | <b>150</b> | <b>180</b>  | <b>300</b>  | <b>50</b> | <b>62</b>  | <b>0.6</b> | <b>4,500</b> | <b>1,200</b> | <b>16.5</b> | <b>4.4</b> | <b>7.5</b> | <b>0.8</b> | <b>20</b> |
| CV130K14        | 130        | 170        | 205         | 340         | 50        | 68         | 0.6        | 4,500        | 1,050        | 16.5        | 4.6        | 7.5        | 0.8        | 20        |
| <b>CV140K14</b> | <b>140</b> | <b>180</b> | <b>220</b>  | <b>360</b>  | <b>50</b> | <b>75</b>  | <b>0.6</b> | <b>4,500</b> | <b>980</b>   | <b>16.5</b> | <b>4.7</b> | <b>7.5</b> | <b>0.8</b> | <b>20</b> |
| CV150K14        | 150        | 200        | 240         | 395         | 50        | 81         | 0.6        | 4,500        | 900          | 16.5        | 4.8        | 7.5        | 0.8        | 20        |
| <b>CV175K14</b> | <b>175</b> | <b>225</b> | <b>270</b>  | <b>455</b>  | <b>50</b> | <b>95</b>  | <b>0.6</b> | <b>4,500</b> | <b>800</b>   | <b>16.5</b> | <b>4.9</b> | <b>7.5</b> | <b>0.8</b> | <b>20</b> |
| CV230K14        | 230        | 300        | 360         | 595         | 50        | 126        | 0.6        | 4,500        | 620          | 16.5        | 5.5        | 7.5        | 0.8        | 20        |
| <b>CV250K14</b> | <b>250</b> | <b>320</b> | <b>390</b>  | <b>650</b>  | <b>50</b> | <b>135</b> | <b>0.6</b> | <b>4,500</b> | <b>580</b>   | <b>16.5</b> | <b>5.7</b> | <b>7.5</b> | <b>0.8</b> | <b>20</b> |
| CV275K14        | 275        | 350        | 430         | 710         | 50        | 150        | 0.6        | 4,500        | 530          | 16.5        | 6.0        | 7.5        | 0.8        | 20        |
| <b>CV300K14</b> | <b>300</b> | <b>385</b> | <b>470</b>  | <b>775</b>  | <b>50</b> | <b>169</b> | <b>0.6</b> | <b>4,500</b> | <b>490</b>   | <b>16.5</b> | <b>6.1</b> | <b>7.5</b> | <b>0.8</b> | <b>20</b> |
| CV320K14        | 320        | 420        | 510         | 840         | 50        | 184        | 0.6        | 4,500        | 460          | 16.5        | 6.8        | 7.5        | 0.8        | 20        |
| <b>CV385K14</b> | <b>385</b> | <b>505</b> | <b>620</b>  | <b>1025</b> | <b>50</b> | <b>193</b> | <b>0.6</b> | <b>4,500</b> | <b>390</b>   | <b>16.5</b> | <b>7.4</b> | <b>7.5</b> | <b>0.8</b> | <b>20</b> |
| CV420K14        | 420        | 560        | 680         | 1120        | 50        | 202        | 0.6        | 4,500        | 370          | 16.5        | 7.4        | 7.5        | 0.8        | 20        |
| <b>CV460K14</b> | <b>460</b> | <b>615</b> | <b>750</b>  | <b>1240</b> | <b>50</b> | <b>220</b> | <b>0.6</b> | <b>4,500</b> | <b>340</b>   | <b>16.5</b> | <b>7.8</b> | <b>7.5</b> | <b>0.8</b> | <b>20</b> |
| CV510K14        | 510        | 670        | 820         | 1355        | 50        | 227        | 0.6        | 4,500        | 310          | 16.5        | 8.2        | 7.5        | 0.8        | 20        |
| <b>CV550K14</b> | <b>550</b> | <b>745</b> | <b>910</b>  | <b>1500</b> | <b>50</b> | <b>364</b> | <b>0.6</b> | <b>4,500</b> | <b>290</b>   | <b>16.5</b> | <b>8.8</b> | <b>7.5</b> | <b>0.8</b> | <b>20</b> |
| CV575K14        | 575        | 750        | 950         | 1570        | 50        | 270        | 0.6        | 4,500        | 280          | 16.5        | 8.9        | 7.5        | 0.8        | 20        |
| <b>CV625K14</b> | <b>625</b> | <b>825</b> | <b>1000</b> | <b>1650</b> | <b>50</b> | <b>280</b> | <b>0.6</b> | <b>4,500</b> | <b>270</b>   | <b>16.5</b> | <b>9.2</b> | <b>7.5</b> | <b>0.8</b> | <b>20</b> |
| CV680K14        | 680        | 895        | 1100        | 1815        | 50        | 310        | 0.6        | 4,500        | 250          | 16.5        | 9.8        | 7.5        | 0.8        | 20        |

### Device Ratings and Dimensions

| Part Number     | V <sub>RMS</sub><br>(volts) | V <sub>DC</sub><br>(volts) | V <sub>N</sub><br>(volts) | V <sub>C</sub><br>(volts) | I <sub>C</sub><br>(amps) | W <sub>MAX</sub><br>(joules) | P <sub>MAX</sub><br>(watts) | I <sub>P</sub><br>(amps) | C <sub>TYP</sub><br>(pF) | D <sub>MAX</sub><br>(mm) | t <sub>MAX</sub><br>(mm) | R<br>(mm) | d<br>(mm) | h <sub>MAX</sub><br>(mm) |
|-----------------|-----------------------------|----------------------------|---------------------------|---------------------------|--------------------------|------------------------------|-----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------|-----------|--------------------------|
| <b>CV50K20</b>  | <b>50</b>                   | <b>65</b>                  | <b>82</b>                 | <b>135</b>                | <b>100</b>               | <b>75</b>                    | <b>1</b>                    | <b>6,500</b>             | <b>5,000</b>             | <b>22.5</b>              | <b>4.5</b>               | <b>10</b> | <b>1</b>  | <b>26</b>                |
| CV60K20         | 60                          | 85                         | 100                       | 165                       | 100                      | 71                           | 1                           | 6,500                    | 4,100                    | 22.5                     | 4.6                      | 10        | 1         | 26                       |
| <b>CV75K20</b>  | <b>75</b>                   | <b>100</b>                 | <b>120</b>                | <b>200</b>                | <b>100</b>               | <b>81</b>                    | <b>1</b>                    | <b>6,500</b>             | <b>3,300</b>             | <b>22.5</b>              | <b>4.6</b>               | <b>10</b> | <b>1</b>  | <b>26</b>                |
| CV95K20         | 95                          | 125                        | 150                       | 250                       | 100                      | 106                          | 1                           | 6,500                    | 2,600                    | 22.5                     | 4.6                      | 10        | 1         | 26                       |
| <b>CV115K20</b> | <b>115</b>                  | <b>150</b>                 | <b>180</b>                | <b>300</b>                | <b>100</b>               | <b>118</b>                   | <b>1</b>                    | <b>6,500</b>             | <b>2,100</b>             | <b>22.5</b>              | <b>4.8</b>               | <b>10</b> | <b>1</b>  | <b>26</b>                |
| CV130K20        | 130                         | 170                        | 205                       | 340                       | 100                      | 142                          | 1                           | 6,500                    | 1,900                    | 22.5                     | 5.0                      | 10        | 1         | 26                       |
| <b>CV140K20</b> | <b>140</b>                  | <b>180</b>                 | <b>220</b>                | <b>360</b>                | <b>100</b>               | <b>157</b>                   | <b>1</b>                    | <b>6,500</b>             | <b>1,800</b>             | <b>22.5</b>              | <b>5.1</b>               | <b>10</b> | <b>1</b>  | <b>26</b>                |
| CV150K20        | 150                         | 200                        | 240                       | 395                       | 100                      | 170                          | 1                           | 6,500                    | 1,600                    | 22.5                     | 5.2                      | 10        | 1         | 26                       |
| <b>CV175K20</b> | <b>175</b>                  | <b>225</b>                 | <b>270</b>                | <b>455</b>                | <b>100</b>               | <b>193</b>                   | <b>1</b>                    | <b>6,500</b>             | <b>1,400</b>             | <b>22.5</b>              | <b>5.3</b>               | <b>10</b> | <b>1</b>  | <b>26</b>                |
| CV230K20        | 230                         | 300                        | 360                       | 595                       | 100                      | 258                          | 1                           | 6,500                    | 1,100                    | 22.5                     | 5.9                      | 10        | 1         | 26                       |
| <b>CV250K20</b> | <b>250</b>                  | <b>320</b>                 | <b>390</b>                | <b>650</b>                | <b>100</b>               | <b>276</b>                   | <b>1</b>                    | <b>6,500</b>             | <b>1,000</b>             | <b>22.5</b>              | <b>6.1</b>               | <b>10</b> | <b>1</b>  | <b>26</b>                |
| CV275K20        | 275                         | 350                        | 430                       | 710                       | 100                      | 304                          | 1                           | 6,500                    | 900                      | 22.5                     | 6.3                      | 10        | 1         | 26                       |
| <b>CV300K20</b> | <b>300</b>                  | <b>385</b>                 | <b>470</b>                | <b>775</b>                | <b>100</b>               | <b>350</b>                   | <b>1</b>                    | <b>6,500</b>             | <b>850</b>               | <b>22.5</b>              | <b>6.6</b>               | <b>10</b> | <b>1</b>  | <b>26</b>                |
| CV320K20        | 320                         | 420                        | 510                       | 840                       | 100                      | 388                          | 1                           | 6,500                    | 800                      | 22.5                     | 6.8                      | 10        | 1         | 27                       |
| <b>CV385K20</b> | <b>385</b>                  | <b>505</b>                 | <b>620</b>                | <b>1025</b>               | <b>100</b>               | <b>396</b>                   | <b>1</b>                    | <b>6,500</b>             | <b>650</b>               | <b>22.5</b>              | <b>7.5</b>               | <b>10</b> | <b>1</b>  | <b>27</b>                |
| CV420K20        | 420                         | 560                        | 680                       | 1120                      | 100                      | 418                          | 1                           | 6,500                    | 620                      | 22.5                     | 7.8                      | 10        | 1         | 27                       |
| <b>CV460K20</b> | <b>460</b>                  | <b>615</b>                 | <b>750</b>                | <b>1240</b>               | <b>100</b>               | <b>460</b>                   | <b>1</b>                    | <b>6,500</b>             | <b>560</b>               | <b>22.5</b>              | <b>8.2</b>               | <b>10</b> | <b>1</b>  | <b>27</b>                |
| CV510K20        | 510                         | 670                        | 820                       | 1355                      | 100                      | 478                          | 1                           | 6,500                    | 510                      | 22.5                     | 8.7                      | 10        | 1         | 27                       |
| <b>CV550K20</b> | <b>550</b>                  | <b>745</b>                 | <b>910</b>                | <b>1500</b>               | <b>100</b>               | <b>515</b>                   | <b>1</b>                    | <b>6,500</b>             | <b>480</b>               | <b>22.5</b>              | <b>9.2</b>               | <b>10</b> | <b>1</b>  | <b>27</b>                |
| CV575K20        | 575                         | 750                        | 950                       | 1570                      | 100                      | 525                          | 1                           | 6,500                    | 460                      | 22.5                     | 9.4                      | 10        | 1         | 27                       |
| <b>CV625K20</b> | <b>625</b>                  | <b>825</b>                 | <b>1000</b>               | <b>1650</b>               | <b>100</b>               | <b>565</b>                   | <b>1</b>                    | <b>6,500</b>             | <b>420</b>               | <b>22.5</b>              | <b>9.7</b>               | <b>10</b> | <b>1</b>  | <b>27</b>                |
| CV680K20        | 680                         | 895                        | 1100                      | 1815                      | 100                      | 620                          | 1                           | 6,500                    | 390                      | 22.5                     | 10.2                     | 10        | 1         | 27                       |