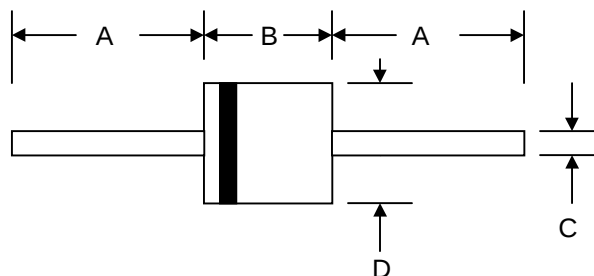


## 5000W TRANSIENT VOLTAGE SUPPRESSOR

### Features

- Glass Passivated Die Construction
- 5000W Peak Pulse Power Dissipation
- 5.0V – 110V Standoff Voltage
- Uni- and Bi-Directional Versions Available
- Excellent Clamping Capability
- Fast Response Time
- Plastic Case Material has UL Flammability Classification Rating 94V-O



### Mechanical Data

- Case: P-600, Molded Plastic
- Terminals: Axial Leads, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band Except Bi-Directional
- Marking: Type Number
- Weight: 2.10 grams (approx.)
- **Lead Free: For RoHS / Lead Free Version, Add "-LF" Suffix to Part Number, See Page 6**

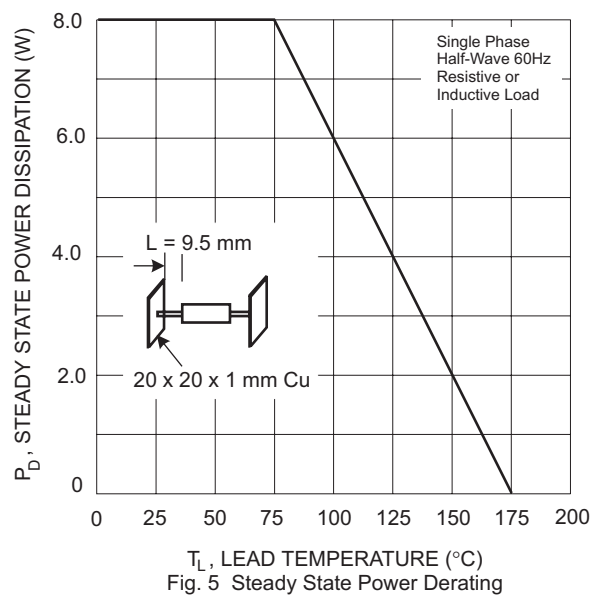
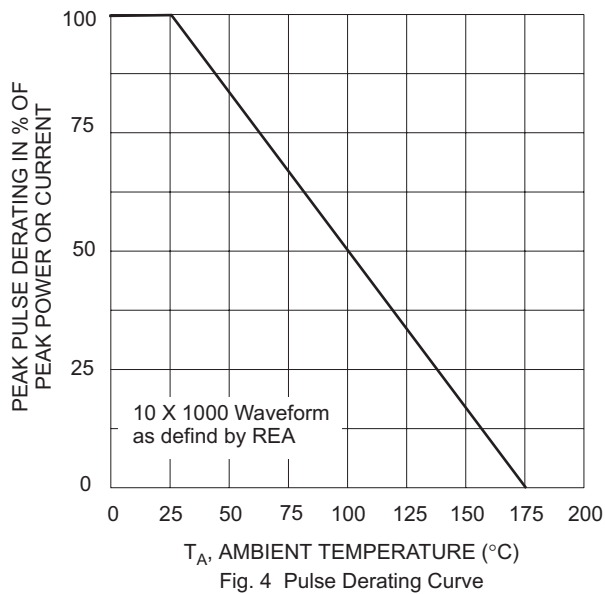
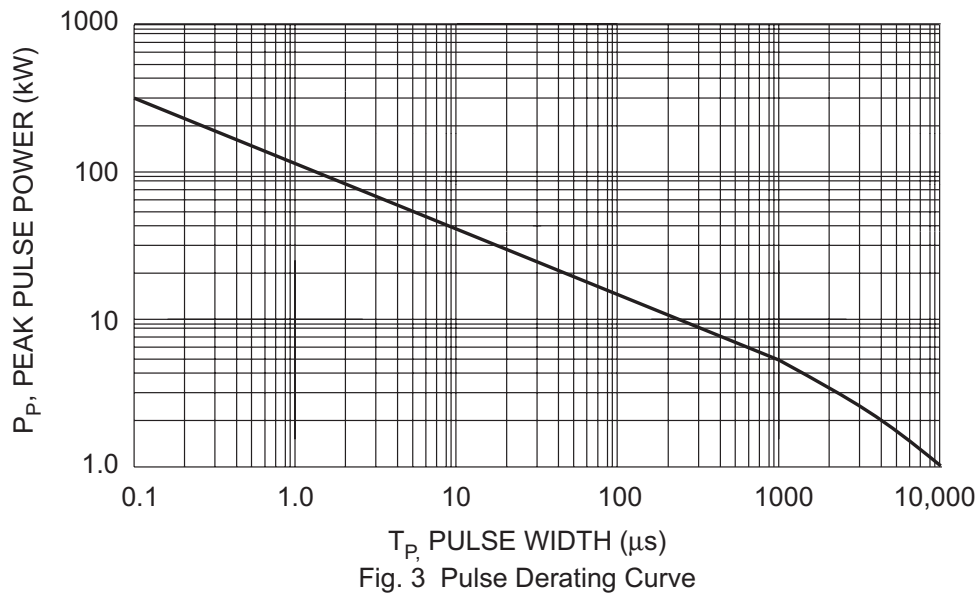
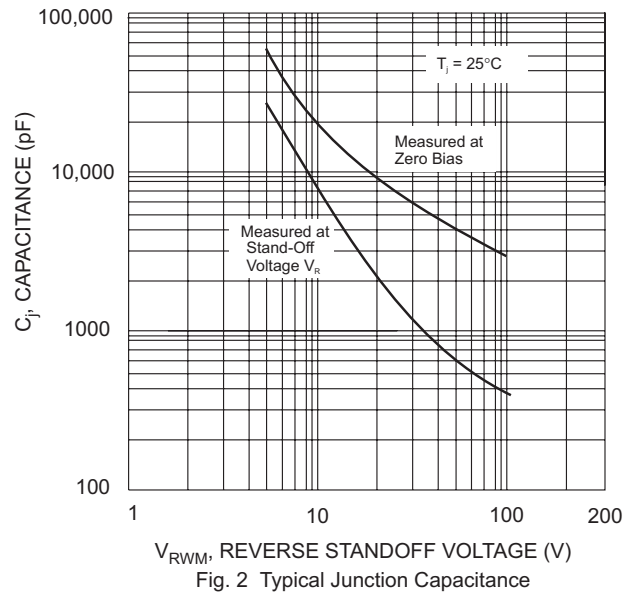
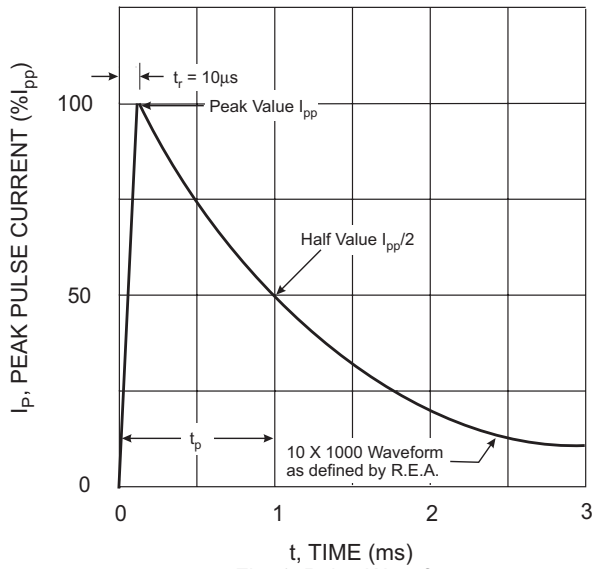
| P-600                |      |      |
|----------------------|------|------|
| Dim                  | Min  | Max  |
| A                    | 25.4 | —    |
| B                    | 8.60 | 9.10 |
| C                    | 1.20 | 1.30 |
| D                    | 8.60 | 9.10 |
| All Dimensions in mm |      |      |

"C" Suffix Designates Bi-directional Devices  
 "A" Suffix Designates 5% Tolerance Devices  
 No Suffix Designates 10% Tolerance Devices

### Maximum Ratings and Electrical Characteristics @T<sub>A</sub>=25°C unless otherwise specified

| Characteristic                                                                | Symbol                            | Value        | Unit |
|-------------------------------------------------------------------------------|-----------------------------------|--------------|------|
| Peak Pulse Power Dissipation at T <sub>A</sub> = 25°C (Note 1, 2, 5) Figure 3 | PPPM                              | 5000 Minimum | W    |
| Peak Forward Surge Current (Note 3)                                           | I <sub>FSM</sub>                  | 400          | A    |
| Peak Pulse Current on 10/1000μS Waveform (Note 1) Figure 1                    | I <sub>PPM</sub>                  | See Table 1  | A    |
| Steady State Power Dissipation (Note 2, 4)                                    | P <sub>M(AV)</sub>                | 8.0          | W    |
| Operating and Storage Temperature Range                                       | T <sub>J</sub> , T <sub>STG</sub> | -55 to +175  | °C   |

Note: 1. Non-repetitive current pulse per Figure 1 and derated above T<sub>A</sub> = 25°C per Figure 4.  
 2. Mounted on 20mm<sup>2</sup> copper pad.  
 3. 8.3ms single half sine-wave duty cycle = 4 pulses per minutes maximum.  
 4. Lead temperature at 75°C.  
 5. Peak pulse power waveform is 10/1000μS.



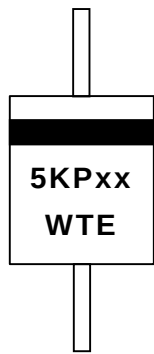
## UNI-DIRECTIONAL 5000 WATT AXIAL LEAD TVS

| UNI-DIRECTIONAL<br>PART NUMBER | REVERSE<br>STAND-OFF<br>VOLTAGE VRWM (V) | BREAKDOWN<br>VOLTAGE<br>VBR (V) MIN. @IT | BREAKDOWN<br>VOLTAGE<br>VBR (V) MAX. @IT | TEST<br>CURRENT<br>IT (mA) | MAXIMUM CLAMPING<br>VOLTAGE @Ipp Vc (V) | PEAK PULSE<br>CURRENT<br>Ipp (A) | REVERSE<br>LEAKAGE<br>@VRWM IR (uA) |
|--------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|----------------------------|-----------------------------------------|----------------------------------|-------------------------------------|
| 5KP5.0                         | 5.00                                     | 6.40                                     | 7.30                                     | 50                         | 9.6                                     | 520                              | 5000                                |
| 5KP5.0A                        | 5.00                                     | 6.40                                     | 7.00                                     | 50                         | 9.2                                     | 543                              | 5000                                |
| 5KP6.0                         | 6.00                                     | 6.67                                     | 8.15                                     | 50                         | 11.4                                    | 439                              | 5000                                |
| 5KP6.0A                        | 6.00                                     | 6.67                                     | 7.37                                     | 50                         | 10.3                                    | 485                              | 5000                                |
| 5KP6.5                         | 6.50                                     | 7.22                                     | 8.82                                     | 50                         | 12.3                                    | 407                              | 2000                                |
| 5KP6.5A                        | 6.50                                     | 7.22                                     | 7.98                                     | 50                         | 11.2                                    | 447                              | 2000                                |
| 5KP7.0                         | 7.00                                     | 7.78                                     | 9.51                                     | 50                         | 13.3                                    | 378                              | 1000                                |
| 5KP7.0A                        | 7.00                                     | 7.78                                     | 8.60                                     | 50                         | 12.0                                    | 417                              | 1000                                |
| 5KP7.5                         | 7.50                                     | 8.33                                     | 10.02                                    | 5                          | 14.3                                    | 350                              | 250                                 |
| 5KP7.5A                        | 7.50                                     | 8.33                                     | 9.21                                     | 5                          | 12.9                                    | 388                              | 250                                 |
| 5KP8.0                         | 8.00                                     | 8.99                                     | 10.90                                    | 5                          | 15.0                                    | 333                              | 150                                 |
| 5KP8.0A                        | 8.00                                     | 8.99                                     | 9.83                                     | 5                          | 13.6                                    | 367                              | 150                                 |
| 5KP8.5                         | 8.50                                     | 9.44                                     | 11.50                                    | 5                          | 15.9                                    | 314                              | 50                                  |
| 5KP8.5A                        | 8.50                                     | 9.44                                     | 10.40                                    | 5                          | 14.4                                    | 347                              | 50                                  |
| 5KP9.0                         | 9.00                                     | 10.00                                    | 12.20                                    | 5                          | 16.9                                    | 295                              | 20                                  |
| 5KP9.0A                        | 9.00                                     | 10.00                                    | 11.20                                    | 5                          | 15.4                                    | 325                              | 20                                  |
| 5KP10                          | 10.00                                    | 11.10                                    | 13.60                                    | 5                          | 18.8                                    | 266                              | 10                                  |
| 5KP10A                         | 10.00                                    | 11.10                                    | 12.30                                    | 5                          | 17.0                                    | 294                              | 10                                  |
| 5KP11                          | 11.00                                    | 12.20                                    | 14.90                                    | 5                          | 20.1                                    | 249                              | 10                                  |
| 5KP11A                         | 11.00                                    | 12.20                                    | 13.50                                    | 5                          | 18.2                                    | 274                              | 10                                  |
| 5KP12                          | 12.00                                    | 13.30                                    | 16.30                                    | 5                          | 22.0                                    | 227                              | 10                                  |
| 5KP12A                         | 12.00                                    | 13.30                                    | 14.70                                    | 5                          | 19.9                                    | 251                              | 10                                  |
| 5KP13                          | 13.00                                    | 14.40                                    | 17.60                                    | 5                          | 23.8                                    | 210                              | 10                                  |
| 5KP13A                         | 13.00                                    | 14.40                                    | 15.90                                    | 5                          | 21.5                                    | 232                              | 10                                  |
| 5KP14                          | 14.00                                    | 15.60                                    | 19.10                                    | 5                          | 25.8                                    | 194                              | 10                                  |
| 5KP14A                         | 14.00                                    | 15.60                                    | 17.20                                    | 5                          | 23.2                                    | 215                              | 10                                  |
| 5KP15                          | 15.00                                    | 16.70                                    | 20.40                                    | 5                          | 26.9                                    | 188                              | 10                                  |
| 5KP15A                         | 15.00                                    | 16.70                                    | 18.50                                    | 5                          | 24.4                                    | 206                              | 10                                  |
| 5KP16                          | 16.00                                    | 17.80                                    | 21.80                                    | 5                          | 28.8                                    | 176                              | 10                                  |
| 5KP16A                         | 16.00                                    | 17.80                                    | 19.70                                    | 5                          | 26.0                                    | 192                              | 10                                  |
| 5KP17                          | 17.00                                    | 18.90                                    | 23.10                                    | 5                          | 30.5                                    | 164                              | 10                                  |
| 5KP17A                         | 17.00                                    | 18.90                                    | 20.90                                    | 5                          | 27.6                                    | 181                              | 10                                  |
| 5KP18                          | 18.00                                    | 20.00                                    | 24.40                                    | 5                          | 32.2                                    | 155                              | 10                                  |
| 5KP18A                         | 18.00                                    | 20.00                                    | 22.10                                    | 5                          | 29.2                                    | 172                              | 10                                  |
| 5KP20                          | 20.00                                    | 22.20                                    | 27.10                                    | 5                          | 35.8                                    | 139                              | 10                                  |
| 5KP20A                         | 20.00                                    | 22.20                                    | 24.50                                    | 5                          | 32.4                                    | 154                              | 10                                  |
| 5KP22                          | 22.00                                    | 24.40                                    | 29.80                                    | 5                          | 39.4                                    | 127                              | 10                                  |
| 5KP22A                         | 22.00                                    | 24.40                                    | 26.90                                    | 5                          | 35.5                                    | 141                              | 10                                  |
| 5KP24                          | 24.00                                    | 26.70                                    | 32.60                                    | 5                          | 43.0                                    | 116                              | 10                                  |
| 5KP24A                         | 24.00                                    | 26.70                                    | 29.50                                    | 5                          | 38.9                                    | 128                              | 10                                  |
| 5KP26                          | 26.00                                    | 28.90                                    | 35.30                                    | 5                          | 46.6                                    | 107                              | 10                                  |
| 5KP26A                         | 26.00                                    | 28.90                                    | 31.90                                    | 5                          | 42.1                                    | 119                              | 10                                  |
| 5KP28                          | 28.00                                    | 31.10                                    | 38.00                                    | 5                          | 50.0                                    | 99                               | 10                                  |
| 5KP28A                         | 28.00                                    | 31.10                                    | 34.40                                    | 5                          | 45.4                                    | 110                              | 10                                  |
| 5KP30                          | 30.00                                    | 33.30                                    | 40.70                                    | 5                          | 53.5                                    | 93                               | 10                                  |
| 5KP30A                         | 30.00                                    | 33.30                                    | 36.90                                    | 5                          | 48.4                                    | 103                              | 10                                  |
| 5KP33                          | 33.00                                    | 36.70                                    | 44.90                                    | 5                          | 59.0                                    | 85                               | 10                                  |
| 5KP33A                         | 33.00                                    | 36.70                                    | 40.60                                    | 5                          | 53.3                                    | 94                               | 10                                  |
| 5KP36                          | 36.00                                    | 40.00                                    | 48.90                                    | 5                          | 64.3                                    | 78                               | 10                                  |
| 5KP36A                         | 36.00                                    | 40.00                                    | 44.20                                    | 5                          | 58.1                                    | 85                               | 10                                  |
| 5KP40                          | 40.00                                    | 44.40                                    | 54.30                                    | 5                          | 71.4                                    | 70                               | 10                                  |
| 5KP40A                         | 40.00                                    | 44.40                                    | 49.10                                    | 5                          | 64.5                                    | 78                               | 10                                  |
| 5KP43                          | 43.00                                    | 47.80                                    | 58.40                                    | 5                          | 76.6                                    | 65                               | 10                                  |
| 5KP43A                         | 43.00                                    | 47.80                                    | 52.80                                    | 5                          | 69.4                                    | 72                               | 10                                  |
| 5KP45                          | 45.00                                    | 50.00                                    | 61.10                                    | 5                          | 80.3                                    | 62                               | 10                                  |
| 5KP45A                         | 45.00                                    | 50.00                                    | 55.30                                    | 5                          | 72.7                                    | 69                               | 10                                  |
| 5KP48                          | 48.00                                    | 53.30                                    | 65.10                                    | 5                          | 85.5                                    | 58                               | 10                                  |
| 5KP48A                         | 48.00                                    | 53.30                                    | 58.90                                    | 5                          | 77.4                                    | 65                               | 10                                  |
| 5KP51                          | 51.00                                    | 56.70                                    | 69.30                                    | 5                          | 91.1                                    | 55                               | 10                                  |
| 5KP51A                         | 51.00                                    | 56.70                                    | 62.70                                    | 5                          | 82.4                                    | 61                               | 10                                  |
| 5KP54                          | 54.00                                    | 60.00                                    | 73.30                                    | 5                          | 96.3                                    | 52                               | 10                                  |
| 5KP54A                         | 54.00                                    | 60.00                                    | 66.30                                    | 5                          | 87.1                                    | 57                               | 10                                  |
| 5KP58                          | 58.00                                    | 64.40                                    | 78.70                                    | 5                          | 103.0                                   | 49                               | 10                                  |
| 5KP58A                         | 58.00                                    | 64.40                                    | 71.20                                    | 5                          | 93.6                                    | 53                               | 10                                  |
| 5KP60                          | 60.00                                    | 66.70                                    | 81.50                                    | 5                          | 107.0                                   | 47                               | 10                                  |
| 5KP60A                         | 60.00                                    | 66.70                                    | 73.70                                    | 5                          | 96.8                                    | 52                               | 10                                  |
| 5KP64                          | 64.00                                    | 71.10                                    | 86.90                                    | 5                          | 114.0                                   | 44                               | 10                                  |
| 5KP64A                         | 64.00                                    | 71.10                                    | 78.60                                    | 5                          | 103.0                                   | 49                               | 10                                  |
| 5KP70                          | 70.00                                    | 77.80                                    | 95.10                                    | 5                          | 125.0                                   | 40                               | 10                                  |
| 5KP70A                         | 70.00                                    | 77.80                                    | 86.00                                    | 5                          | 113.0                                   | 44                               | 10                                  |
| 5KP75                          | 75.00                                    | 83.30                                    | 102.00                                   | 5                          | 134.0                                   | 37                               | 10                                  |
| 5KP75A                         | 75.00                                    | 83.30                                    | 92.10                                    | 5                          | 121.0                                   | 41                               | 10                                  |
| 5KP78                          | 78.00                                    | 86.70                                    | 106.00                                   | 5                          | 139.0                                   | 36                               | 10                                  |
| 5KP78A                         | 78.00                                    | 86.70                                    | 95.80                                    | 5                          | 126.0                                   | 40                               | 10                                  |
| 5KP85                          | 85.00                                    | 94.40                                    | 115.00                                   | 5                          | 151.0                                   | 33                               | 10                                  |
| 5KP85A                         | 85.00                                    | 94.40                                    | 104.00                                   | 5                          | 137.0                                   | 36                               | 10                                  |
| 5KP90                          | 90.00                                    | 100.00                                   | 122.00                                   | 5                          | 160.0                                   | 31                               | 10                                  |
| 5KP90A                         | 90.00                                    | 100.00                                   | 111.00                                   | 5                          | 146.0                                   | 34                               | 10                                  |
| 5KP100                         | 100.00                                   | 111.00                                   | 136.00                                   | 5                          | 179.0                                   | 28                               | 10                                  |
| 5KP100A                        | 100.00                                   | 111.00                                   | 123.00                                   | 5                          | 162.0                                   | 31                               | 10                                  |
| 5KP110                         | 110.00                                   | 122.00                                   | 149.00                                   | 5                          | 196.0                                   | 26                               | 10                                  |
| 5KP110A                        | 110.00                                   | 122.00                                   | 135.00                                   | 5                          | 177.0                                   | 28                               | 10                                  |

## BI-DIRECTIONAL 5000 WATT AXIAL LEAD TVS

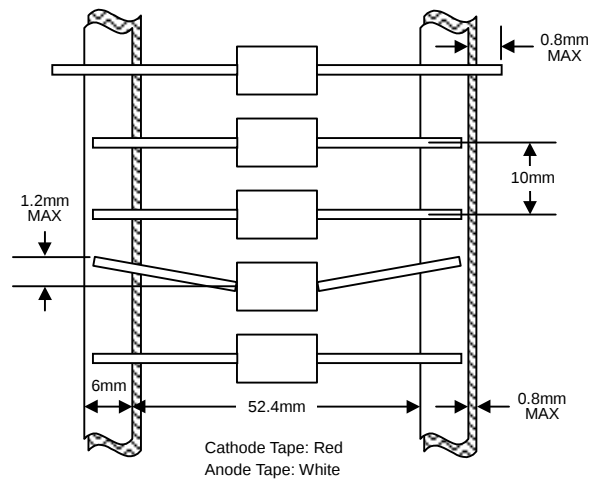
| BI-DIRECTIONAL<br>PART NUMBER | REVERSE<br>STAND-OFF<br>VOLTAGE VRWM (V) | BREAKDOWN<br>VOLTAGE<br>VBR (V) MIN. @IT | BREAKDOWN<br>VOLTAGE<br>VBR (V) MAX. @IT | TEST<br>CURRENT<br>IT (mA) | MAXIMUM CLAMPING<br>VOLTAGE @Ipp Vc (V) | PEAK PULSE<br>CURRENT<br>Ipp (A) | REVERSE<br>LEAKAGE<br>@VRWM IR (uA) |
|-------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|----------------------------|-----------------------------------------|----------------------------------|-------------------------------------|
| 5KP5.0C                       | 5.00                                     | 6.40                                     | 7.30                                     | 50                         | 9.6                                     | 520                              | 10000                               |
| 5KP5.0CA                      | 5.00                                     | 6.40                                     | 7.00                                     | 50                         | 9.2                                     | 543                              | 10000                               |
| 5KP6.0C                       | 6.00                                     | 6.67                                     | 8.15                                     | 50                         | 11.4                                    | 439                              | 10000                               |
| 5KP6.0CA                      | 6.00                                     | 6.67                                     | 7.37                                     | 50                         | 10.3                                    | 485                              | 10000                               |
| 5KP6.5C                       | 6.50                                     | 7.22                                     | 8.82                                     | 50                         | 12.3                                    | 407                              | 4000                                |
| 5KP6.5CA                      | 6.50                                     | 7.22                                     | 7.98                                     | 50                         | 11.2                                    | 447                              | 4000                                |
| 5KP7.0C                       | 7.00                                     | 7.78                                     | 9.51                                     | 50                         | 13.3                                    | 378                              | 2000                                |
| 5KP7.0CA                      | 7.00                                     | 7.78                                     | 8.60                                     | 50                         | 12.0                                    | 417                              | 2000                                |
| 5KP7.5C                       | 7.50                                     | 8.33                                     | 10.02                                    | 5                          | 14.3                                    | 350                              | 500                                 |
| 5KP7.5CA                      | 7.50                                     | 8.33                                     | 9.21                                     | 5                          | 12.9                                    | 388                              | 500                                 |
| 5KP8.0C                       | 8.00                                     | 8.99                                     | 10.90                                    | 5                          | 15.0                                    | 333                              | 300                                 |
| 5KP8.0CA                      | 8.00                                     | 8.99                                     | 9.83                                     | 5                          | 13.6                                    | 367                              | 300                                 |
| 5KP8.5C                       | 8.50                                     | 9.44                                     | 11.50                                    | 5                          | 15.9                                    | 314                              | 100                                 |
| 5KP8.5CA                      | 8.50                                     | 9.44                                     | 10.40                                    | 5                          | 14.4                                    | 347                              | 100                                 |
| 5KP9.0C                       | 9.00                                     | 10.00                                    | 12.20                                    | 5                          | 16.9                                    | 295                              | 40                                  |
| 5KP9.0CA                      | 9.00                                     | 10.00                                    | 11.20                                    | 5                          | 15.4                                    | 325                              | 40                                  |
| 5KP10C                        | 10.00                                    | 11.10                                    | 13.60                                    | 5                          | 18.8                                    | 266                              | 10                                  |
| 5KP10CA                       | 10.00                                    | 11.10                                    | 12.30                                    | 5                          | 17.0                                    | 294                              | 10                                  |
| 5KP11C                        | 11.00                                    | 12.20                                    | 14.90                                    | 5                          | 20.1                                    | 249                              | 10                                  |
| 5KP11CA                       | 11.00                                    | 12.20                                    | 13.50                                    | 5                          | 18.2                                    | 274                              | 10                                  |
| 5KP12C                        | 12.00                                    | 13.30                                    | 16.30                                    | 5                          | 22.0                                    | 227                              | 10                                  |
| 5KP12CA                       | 12.00                                    | 13.30                                    | 14.70                                    | 5                          | 19.9                                    | 251                              | 10                                  |
| 5KP13C                        | 13.00                                    | 14.40                                    | 17.60                                    | 5                          | 23.8                                    | 210                              | 10                                  |
| 5KP13CA                       | 13.00                                    | 14.40                                    | 15.90                                    | 5                          | 21.5                                    | 232                              | 10                                  |
| 5KP14C                        | 14.00                                    | 15.60                                    | 19.10                                    | 5                          | 25.8                                    | 194                              | 10                                  |
| 5KP14CA                       | 14.00                                    | 15.60                                    | 17.20                                    | 5                          | 23.2                                    | 215                              | 10                                  |
| 5KP15C                        | 15.00                                    | 16.70                                    | 20.40                                    | 5                          | 26.9                                    | 188                              | 10                                  |
| 5KP15CA                       | 15.00                                    | 16.70                                    | 18.50                                    | 5                          | 24.4                                    | 206                              | 10                                  |
| 5KP16C                        | 16.00                                    | 17.80                                    | 21.80                                    | 5                          | 28.8                                    | 176                              | 10                                  |
| 5KP16CA                       | 16.00                                    | 17.80                                    | 19.70                                    | 5                          | 26.0                                    | 192                              | 10                                  |
| 5KP17C                        | 17.00                                    | 18.90                                    | 23.10                                    | 5                          | 30.5                                    | 164                              | 10                                  |
| 5KP17CA                       | 17.00                                    | 18.90                                    | 20.90                                    | 5                          | 27.6                                    | 181                              | 10                                  |
| 5KP18C                        | 18.00                                    | 20.00                                    | 24.40                                    | 5                          | 32.2                                    | 155                              | 10                                  |
| 5KP18CA                       | 18.00                                    | 20.00                                    | 22.10                                    | 5                          | 29.2                                    | 172                              | 10                                  |
| 5KP20C                        | 20.00                                    | 22.20                                    | 27.10                                    | 5                          | 35.8                                    | 139                              | 10                                  |
| 5KP20CA                       | 20.00                                    | 22.20                                    | 24.50                                    | 5                          | 32.4                                    | 154                              | 10                                  |
| 5KP22C                        | 22.00                                    | 24.40                                    | 29.80                                    | 5                          | 39.4                                    | 127                              | 10                                  |
| 5KP22CA                       | 22.00                                    | 24.40                                    | 26.90                                    | 5                          | 35.5                                    | 141                              | 10                                  |
| 5KP24C                        | 24.00                                    | 26.70                                    | 32.60                                    | 5                          | 43.0                                    | 116                              | 10                                  |
| 5KP24CA                       | 24.00                                    | 26.70                                    | 29.50                                    | 5                          | 38.9                                    | 128                              | 10                                  |
| 5KP26C                        | 26.00                                    | 28.90                                    | 35.30                                    | 5                          | 46.6                                    | 107                              | 10                                  |
| 5KP26CA                       | 26.00                                    | 28.90                                    | 31.90                                    | 5                          | 42.1                                    | 119                              | 10                                  |
| 5KP28C                        | 28.00                                    | 31.10                                    | 38.00                                    | 5                          | 50.0                                    | 99                               | 10                                  |
| 5KP28CA                       | 28.00                                    | 31.10                                    | 34.40                                    | 5                          | 45.4                                    | 110                              | 10                                  |
| 5KP30C                        | 30.00                                    | 33.30                                    | 40.70                                    | 5                          | 53.5                                    | 93                               | 10                                  |
| 5KP30CA                       | 30.00                                    | 33.30                                    | 36.90                                    | 5                          | 48.4                                    | 103                              | 10                                  |
| 5KP33C                        | 33.00                                    | 36.70                                    | 44.90                                    | 5                          | 59.0                                    | 85                               | 10                                  |
| 5KP33CA                       | 33.00                                    | 36.70                                    | 40.60                                    | 5                          | 53.3                                    | 94                               | 10                                  |
| 5KP36C                        | 36.00                                    | 40.00                                    | 48.90                                    | 5                          | 64.3                                    | 78                               | 10                                  |
| 5KP36CA                       | 36.00                                    | 40.00                                    | 44.20                                    | 5                          | 58.1                                    | 85                               | 10                                  |
| 5KP40C                        | 40.00                                    | 44.40                                    | 54.30                                    | 5                          | 71.4                                    | 70                               | 10                                  |
| 5KP40CA                       | 40.00                                    | 44.40                                    | 49.10                                    | 5                          | 64.5                                    | 78                               | 10                                  |
| 5KP43C                        | 43.00                                    | 47.80                                    | 58.40                                    | 5                          | 76.6                                    | 65                               | 10                                  |
| 5KP43CA                       | 43.00                                    | 47.80                                    | 52.80                                    | 5                          | 69.4                                    | 72                               | 10                                  |
| 5KP45C                        | 45.00                                    | 50.00                                    | 61.10                                    | 5                          | 80.3                                    | 62                               | 10                                  |
| 5KP45CA                       | 45.00                                    | 50.00                                    | 55.30                                    | 5                          | 72.7                                    | 69                               | 10                                  |
| 5KP48C                        | 48.00                                    | 53.30                                    | 65.10                                    | 5                          | 85.5                                    | 58                               | 10                                  |
| 5KP48CA                       | 48.00                                    | 53.30                                    | 58.90                                    | 5                          | 77.4                                    | 65                               | 10                                  |
| 5KP51C                        | 51.00                                    | 56.70                                    | 69.30                                    | 5                          | 91.1                                    | 55                               | 10                                  |
| 5KP51CA                       | 51.00                                    | 56.70                                    | 62.70                                    | 5                          | 82.4                                    | 61                               | 10                                  |
| 5KP54C                        | 54.00                                    | 60.00                                    | 73.30                                    | 5                          | 96.3                                    | 52                               | 10                                  |
| 5KP54CA                       | 54.00                                    | 60.00                                    | 66.30                                    | 5                          | 87.1                                    | 57                               | 10                                  |
| 5KP58C                        | 58.00                                    | 64.40                                    | 78.70                                    | 5                          | 103.0                                   | 49                               | 10                                  |
| 5KP58CA                       | 58.00                                    | 64.40                                    | 71.20                                    | 5                          | 93.6                                    | 53                               | 10                                  |
| 5KP60C                        | 60.00                                    | 66.70                                    | 81.50                                    | 5                          | 107.0                                   | 47                               | 10                                  |
| 5KP60CA                       | 60.00                                    | 66.70                                    | 73.70                                    | 5                          | 96.8                                    | 52                               | 10                                  |
| 5KP64C                        | 64.00                                    | 71.10                                    | 86.90                                    | 5                          | 114.0                                   | 44                               | 10                                  |
| 5KP64CA                       | 64.00                                    | 71.10                                    | 78.60                                    | 5                          | 103.0                                   | 49                               | 10                                  |
| 5KP70C                        | 70.00                                    | 77.80                                    | 95.10                                    | 5                          | 125.0                                   | 40                               | 10                                  |
| 5KP70CA                       | 70.00                                    | 77.80                                    | 86.00                                    | 5                          | 113.0                                   | 44                               | 10                                  |
| 5KP75C                        | 75.00                                    | 83.30                                    | 102.00                                   | 5                          | 134.0                                   | 37                               | 10                                  |
| 5KP75CA                       | 75.00                                    | 83.30                                    | 92.10                                    | 5                          | 121.0                                   | 41                               | 10                                  |
| 5KP78C                        | 78.00                                    | 86.70                                    | 106.00                                   | 5                          | 139.0                                   | 36                               | 10                                  |
| 5KP78CA                       | 78.00                                    | 86.70                                    | 95.80                                    | 5                          | 126.0                                   | 40                               | 10                                  |
| 5KP85C                        | 85.00                                    | 94.40                                    | 115.00                                   | 5                          | 151.0                                   | 33                               | 10                                  |
| 5KP85CA                       | 85.00                                    | 94.40                                    | 104.00                                   | 5                          | 137.0                                   | 36                               | 10                                  |
| 5KP90C                        | 90.00                                    | 100.00                                   | 122.00                                   | 5                          | 160.0                                   | 31                               | 10                                  |
| 5KP90CA                       | 90.00                                    | 100.00                                   | 111.00                                   | 5                          | 146.0                                   | 34                               | 10                                  |
| 5KP100C                       | 100.00                                   | 111.00                                   | 136.00                                   | 5                          | 179.0                                   | 28                               | 10                                  |
| 5KP100CA                      | 100.00                                   | 111.00                                   | 123.00                                   | 5                          | 162.0                                   | 31                               | 10                                  |
| 5KP110C                       | 110.00                                   | 122.00                                   | 149.00                                   | 5                          | 196.0                                   | 26                               | 10                                  |
| 5KP110CA                      | 110.00                                   | 122.00                                   | 135.00                                   | 5                          | 177.0                                   | 28                               | 10                                  |

## MARKING INFORMATION



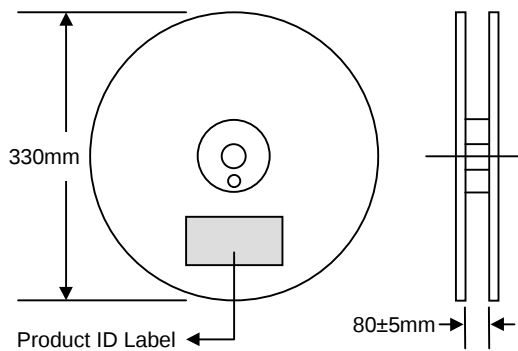
Cathode = Polarity Band Except  
Bi-Directional Types  
5KPxx = Device Number  
WTE = Manufacturer's Logo

## TAPING SPECIFICATIONS

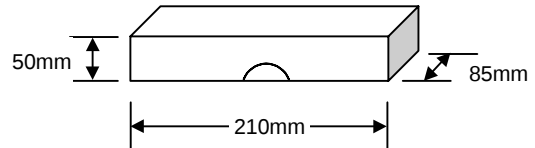


## PACKAGING INFORMATION

### TAPE & REEL



### BULK



| Packaging              | Reel Diameter /<br>Box Size (mm) | Quantity<br>(PCS) | Carton Size<br>(mm) | Quantity<br>(PCS) | Approx. Gross Weight<br>(KG) |
|------------------------|----------------------------------|-------------------|---------------------|-------------------|------------------------------|
| <b>TAPE &amp; REEL</b> | 330                              | 800               | 370 x 370 x 420     | 4,000             | 12.0                         |
| <b>BULK</b>            | 210 x 85 x 50                    | 250               | 500 x 255 x 275     | 7,000             | 17.0                         |

**Note:** 1. Paper reel, white or gray color. Core material: plastic or metal.  
2. Components are packed in accordance with EIA standard RS-296-E.

## ORDERING INFORMATION

| Product No.     | Package Type | Shipping Quantity |
|-----------------|--------------|-------------------|
| <b>5KPxx-T3</b> | P-600        | 800/Tape & Reel   |
| 5KPxx           | P-600        | 250 Units/Box     |

1. Products listed in **bold** are WTE **Preferred** devices.
2. Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.
3. **To order RoHS / Lead Free version, add "-LF" suffix to part number above. For example, 5KP5.0-T3-LF.**

Won-Top Electronics Co., Ltd (WTE) has checked all information carefully and believes it to be correct and accurate. However, WTE cannot assume any responsibility for inaccuracies. Furthermore, this information does not give the purchaser of semiconductor devices any license under patent rights to manufacturer. WTE reserves the right to change any or all information herein without further notice.

**WARNING:** DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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*We power your everyday.*