

# 5KP SERIES

## GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSOR VOLTAGE - 5.0 TO 110 Volts      5000 Watt Peak Pulse Power

### FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-O
- Glass passivated junction
- 5000W Peak Pulse Power capability on 10/1000 S waveform
- Excellent clamping capability
- Repetition rate(Duty Cycle): 0.05%
- Low incremental surge resistance
- Fast response time: typically less than 1.0 ps from 0 volts to BV
- Typical  $I_D$  less than 1 A above 10V
- High temperature soldering guaranteed: 300 /10 seconds/.375", (9.5mm) lead length/5lbs., (2.3kg) tension

### MECHANICAL DATA

Case: Molded plastic over glass passivated junction

Terminals: Plated Axial leads, solderable per

MIL-STD-750, Method 2026

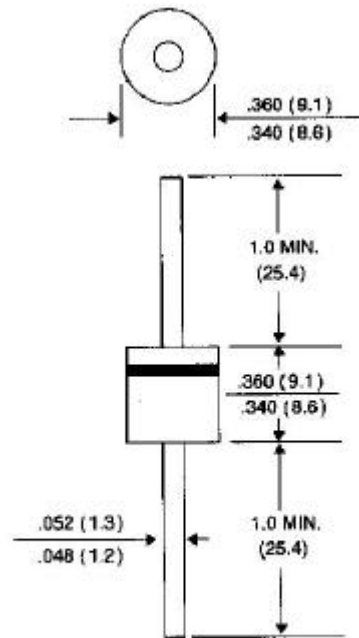
Polarity: Color band denotes positive

end(cathode) Except Bipolar

Mounting Position: Any

Weight: 0.07 ounce, 2.1 grams

### P-600



Dimensions in inches and (millimeters)

## DEVICES FOR BIPOLAR APPLICATIONS

For Bidirectional use C or CA Suffix for types  
Electrical characteristics apply in both directions.

### MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25 ambient temperature unless otherwise specified.

| RATING  | SYMBOL         | VALUE        | UNITS |
|---|----------------|--------------|-------|
| Peak Pulse Power Dissipation on 10/1000 S waveform (Note 1, FIG.1)  | $P_{PPM}$      | Minimum 5000 | Watts |
| Peak Pulse Current on 10/1000 S waveform (Note 1, FIG.3)  | $I_{PPM}$      | SEE TABLE 1  | Amps  |
| Steady State Power Dissipation at $T_L=75$ Lead Lengths .375", (9.5mm) (Note 2)                             | $P_{M(AV)}$    | 8.0          | Watts |
| Peak Forward Surge Current, 8.3ms Single Half Sine-Wave Superimposed on Rated Load, (JECED Method) (Note 3) | $I_{FSM}$      | 400          | Amps  |
| Operating Junction and Storage Temperature Range  | $T_J, T_{STG}$ | -55 to +175  |       |

#### NOTES:

1. Non-repetitive current pulse, per Fig. 3 and derated above  $T_A=25$  per Fig. 2.
2. Mounted on Copper Leaf area of  $0.79\text{in}^2$  ( $20\text{mm}^2$ ).
3. Measured on 8.3ms single half sine-wave or equivalent square wave, duty cycle= 4 pulses per minutes maximum.

### RATING AND CHARACTERISTIC CURVES 5KP SERIES

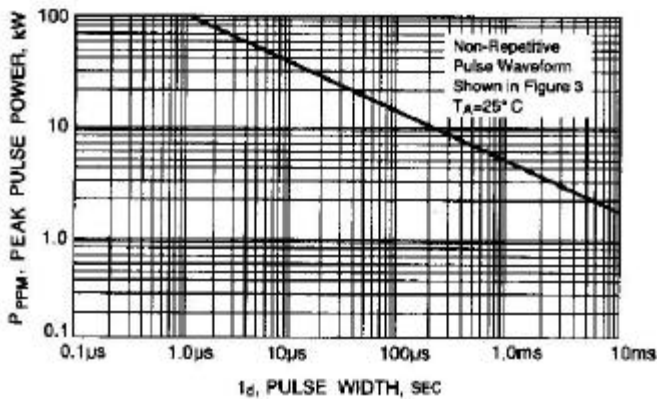


Fig. 1-PEAK PULSE POWER RATING CURVE

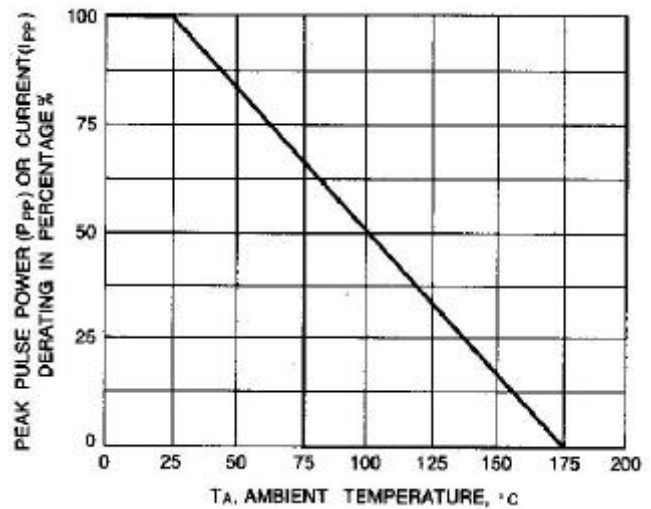


Fig. 2-PULSE DERATING CURVE

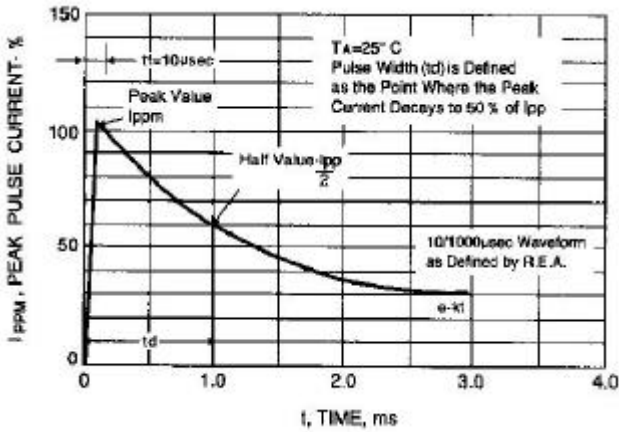


Fig. 3-PULSE WAVEFORM

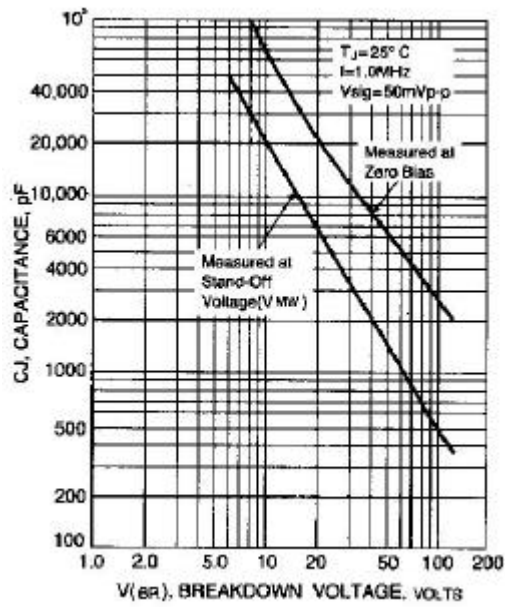


Fig. 4-TYPICAL JUNCTION CAPACITANCE

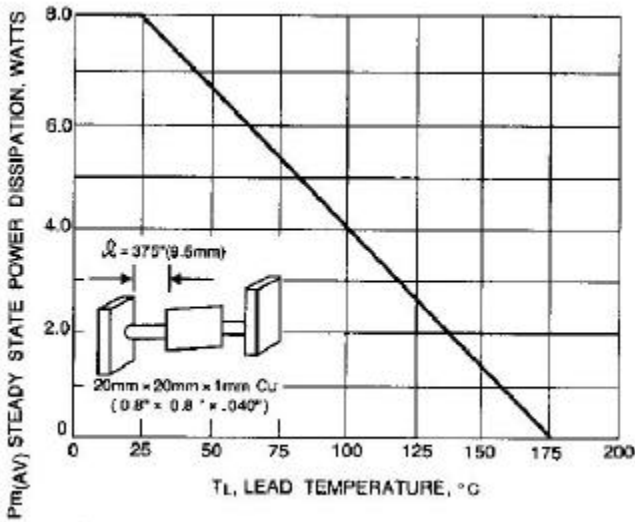


Fig. 5-STEADY STATE POWER DERATING

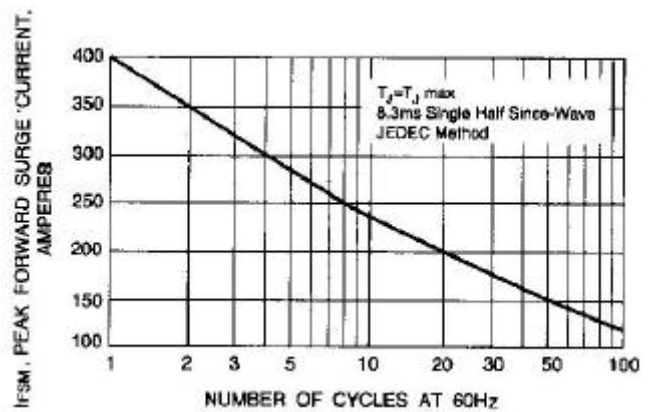


Fig. 6-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

**UNI-DIRECTIONAL 5000 Watt Axial Lead TVS**

| UNI-DIRECTIONAL PART NUMBER | REVERSE STAND-OFF VOLTAGE VRWM (V) | BREAKDOWN VOLTAGE VBR (V) MIN. @IT | BREAKDOWN VOLTAGE VBR (V) MAX. @IT | TEST CURRENT IT (mA) | MAXIMUM CLAMPING VOLTAGE @IPP VC (V) | PEAK PULSE CURRENT IPP (A) | REVERSE LEAKAGE @VRWM IR (uA) |
|-----------------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--------------------------------------|----------------------------|-------------------------------|
| 5KP5.0                      | 5.00                               | 6.40                               | 7.30                               | 50                   | 9.6                                  | 520                        | 2000                          |
| 5KP5.0A                     | 5.00                               | 6.40                               | 7.00                               | 50                   | 9.2                                  | 543                        | 2000                          |
| 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                               | 10.20                              | 5                    | 14.3                                 | 350                        | 250                           |
| 5KP7.5A                     | 7.50                               | 8.33                               | 9.21                               | 5                    | 12.9                                 | 388                        | 250                           |
| 5KP8.0                      | 8.00                               | 8.89                               | 10.90                              | 5                    | 15.0                                 | 333                        | 150                           |
| 5KP8.0A                     | 8.00                               | 8.89                               | 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                              | 11.10                              | 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 | 36.80 | 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 | 76.7  | 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 |

### UNI-DIRECTIONAL 5000 Watt Axial Lead TVS

| UNI-DIRECTIONAL PART NUMBER | REVERSE STAND-OFF VOLTAGE VRWM (V) | BREAKDOWN VOLTAGE VBR (V) MIN. @IT | BREAKDOWN VOLTAGE VBR (V) MAX. @IT | TEST CURRENT IT (mA) | MAXIMUM CLAMPING VOLTAGE @I <sub>PP</sub> VC (V) | PEAK PULSE CURRENT I <sub>PP</sub> (A) | REVERSE LEAKAGE @VRWM IR (uA) |
|-----------------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--|--|-------------------------------|
| 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 PART NUMBER | REVERSE STAND-OFF VOLTAGE VRWM (V) | BREAKDOWN VOLTAGE VBR (V) MIN. @IT | BREAKDOWN VOLTAGE VBR (V) MAX. @IT | TEST CURRENT IT (mA) | MAXIMUM CLAMPING VOLTAGE @I <sub>PP</sub> VC (V) | PEAK PULSE CURRENT I <sub>PP</sub> (A) | REVERSE LEAKAGE @VRWM IR (uA) |
|----------------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--|--|-------------------------------|
| 5KP5.0C                    | 5.00                               | 6.40                               | 7.30                               | 50                   | 9.6  | 520                                    | 4000                          |
| 5KP5.0CA                   | 5.00                               | 6.40                               | 7.00                               | 50                   | 9.2  | 543                                    | 4000                          |
| 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                               | 10.20                              | 5                    | 14.3   | 350                                    | 500                           |
| 5KP7.5CA                   | 7.50                               | 8.33                               | 9.21                               | 5                    | 12.9   | 388                                    | 500                           |
| 5KP8.0C                    | 8.00                               | 8.89                               | 10.90                              | 5                    | 15.0   | 333                                    | 300                           |
| 5KP8.0CA                   | 8.00                               | 8.89                               | 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                              | 11.10                              | 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                              | 36.80                              | 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                    | 76.7   | 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                            |

**BI-DIRECTIONAL 5000 Watt Axial Lead TVS**

| BI-DIRECTIONAL<br>PART<br>NUMBER | REVERSE<br>STAND-OFF<br>VOLTAGE<br>VRWM (V) | BREAKDOWN<br>VOLTAGE<br>VBR (V)<br>MIN. @IT | BREAKDOWN<br>VOLTAGE<br>VBR (V)<br>MAX. @IT | TEST<br>CURRENT<br>IT<br>(mA) | MAXIMUM<br>CLAMPING<br>VOLTAGE<br>@I <sub>PP</sub> VC (V) | PEAK<br>PULSE<br>CURRENT<br>I <sub>PP</sub> (A) | REVERSE<br>LEAKAGE<br>@VRWM<br>IR (uA) |
|----------------------------------|---|---|---|-------------------------------|---|---|--|
| 5KP70                            | 70.00                                       | 77.80                                       | 95.10                                       | 5                             | 125.0   | 40  | 10                                     |
| 5KP70CA                          | 70.00                                       | 77.80                                       | 86.00                                       | 5                             | 113.0   | 44  | 10                                     |
| 5KP75                            | 75.00                                       | 83.30                                       | 102.00                                      | 5                             | 134.0   | 37  | 10                                     |
| 5KP75CA                          | 75.00                                       | 83.30                                       | 92.10                                       | 5                             | 121.0   | 41  | 10                                     |
| 5KP78                            | 78.00                                       | 86.70                                       | 106.00                                      | 5                             | 139.0   | 36  | 10                                     |
| 5KP78CA                          | 78.00                                       | 86.70                                       | 95.80                                       | 5                             | 126.0   | 40  | 10                                     |
| 5KP85                            | 85.00                                       | 94.40                                       | 115.00                                      | 5                             | 151.0   | 33  | 10                                     |
| 5KP85CA                          | 85.00                                       | 94.40                                       | 104.00                                      | 5                             | 137.0   | 36  | 10                                     |
| 5KP90                            | 90.00                                       | 100.00                                      | 122.00                                      | 5                             | 160.0   | 31  | 10                                     |
| 5KP90CA                          | 90.00                                       | 100.00                                      | 111.00                                      | 5                             | 146.0   | 34  | 10                                     |
| 5KP100                           | 100.00                                      | 111.00                                      | 136.00                                      | 5                             | 179.0   | 28  | 10                                     |
| 5KP100CA                         | 100.00                                      | 111.00                                      | 123.00                                      | 5                             | 162.0   | 31  | 10                                     |
| 5KP110                           | 110.00                                      | 122.00                                      | 149.00                                      | 5                             | 196.0   | 26  | 10                                     |
| 5KP110CA                         | 110.00                                      | 122.00                                      | 135.00                                      | 5                             | 177.0   | 28  | 10                                     |