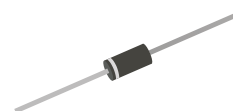


## 5KP-G Series

Stand-off Voltage: 6.8V ~ 220V

Power Dissipation: 5000 Watts

RoHS Device

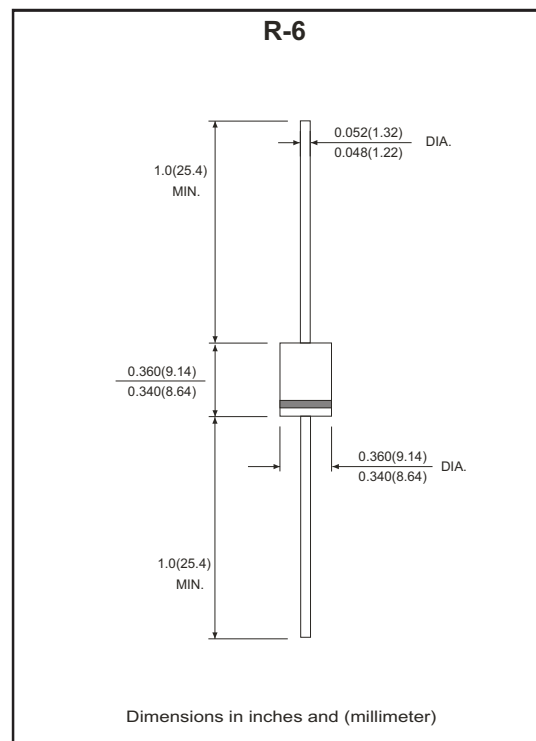


### Features

- Glass passivated chip.
- Low leakage.
- Uni and Bidirection unit.
- Excellent clamping capability.
- The plastic material has UL recognition 94V-0.
- Fast response time.

### Mechanical Data

- Case: Molded plastic R-6
- Polarity: By cathode band denotes uni-directional device, none cathode band denotes bi-directional device
- Weight: 2.1 grams



### Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive loaded.

For capacitive load, derated current by 20%.

| Parameter                                                                               | Symbol                            | Value          | Unit |
|-----------------------------------------------------------------------------------------|-----------------------------------|----------------|------|
| Peak power dissipation with a 10/1000μs waveform (Note 1)                               | P <sub>PP</sub>                   | 5000           | W    |
| Peak pulse current with a 10/1000μs waveform (Note 1)                                   | I <sub>PP</sub>                   | See Next Table | W    |
| Power dissipation on infinite heatsink at T <sub>L</sub> =75°C                          | P <sub>D</sub>                    | 8.0            | W    |
| Peak forward surge current, 8.3ms single half sine-wave unidirectional only (Note 2)    | I <sub>FSM</sub>                  | 500            | A    |
| Maximum instantaneous forward voltage at 100A for uni-directional devices only (Note 3) | V <sub>F</sub>                    | 3.5 / 5.0      | V    |
| Operating junction and storage temperature range                                        | T <sub>J</sub> , T <sub>STG</sub> | -55 to +150    | °C   |

NTOES:

(1) Non-repetitive current pulse, per fig.5 and derated above T<sub>A</sub>=25 °C per fig. 1.

(2) Measured on 8.3 ms single half sine wave of equivalent square wave, duty cycle=4 pulses per minute maximum.

(3) V<sub>F</sub><3.5V for devices of V<sub>BR</sub><200V and V<sub>F</sub><5.0V for devices of V<sub>BR</sub>>201V

# 5000W Transient Voltage Suppressor

## RATING AND CHARACTERISTIC (5KP-G Series)

| Part No.  |            | Absolute Maximum Rating (Ta=25 °C) |                      |                      |                |                  | Electrical Characteristics (Ta=25     |                      |                                       |         |          |
|-----------|------------|------------------------------------|----------------------|----------------------|----------------|------------------|---------------------------------------|----------------------|---------------------------------------|---------|----------|
| Uni       | Bi         | V <sub>RWM</sub>                   | V <sub>BR</sub> Min. | V <sub>BR</sub> Max. | I <sub>T</sub> | I <sub>FSM</sub> | Max. V <sub>C</sub> @I <sub>PPM</sub> |                      | Max. I <sub>R</sub> @V <sub>RWM</sub> | Uni     | Bi       |
|           |            | (V)                                | (V)                  | (V)                  | (mA)           | (A)@8.3ms        | (V)                                   | I <sub>PPM</sub> (A) | uA                                    |         |          |
| 5KP5.0-G  | 5KP5.0C-G  | 5.0                                | 6.40                 | 7.30                 | 10             | 500              | 9.6                                   | 520.83               | 800                                   | 5KP5.0  | 5KP5.0C  |
| 5KP5.0A-G | 5KP5.0CA-G | 5.0                                | 6.40                 | 7.00                 | 10             | 500              | 9.2                                   | 543.48               | 800                                   | 5KP5.0A | 5KP5.0CA |
| 5KP6.0-G  | 5KP6.0C-G  | 6.0                                | 6.67                 | 8.15                 | 10             | 500              | 11.4                                  | 438.60               | 800                                   | 5KP6.0  | 5KP6.0C  |
| 5KP6.0A-G | 5KP6.0CA-G | 6.0                                | 6.67                 | 7.37                 | 10             | 500              | 10.3                                  | 485.44               | 800                                   | 5KP6.0A | 5KP6.0CA |
| 5KP6.5-G  | 5KP6.5C-G  | 6.5                                | 7.22                 | 8.82                 | 10             | 500              | 12.3                                  | 406.50               | 500                                   | 5KP6.5  | 5KP6.5C  |
| 5KP6.5A-G | 5KP6.5CA-G | 6.5                                | 7.22                 | 7.98                 | 10             | 500              | 11.2                                  | 446.43               | 500                                   | 5KP6.5A | 5KP6.5CA |
| 5KP7.0-G  | 5KP7.0C-G  | 7.0                                | 7.78                 | 9.51                 | 10             | 500              | 13.3                                  | 375.94               | 200                                   | 5KP7.0  | 5KP7.0C  |
| 5KP7.0A-G | 5KP7.0CA-G | 7.0                                | 7.78                 | 8.60                 | 10             | 500              | 12.0                                  | 416.67               | 200                                   | 5KP7.0A | 5KP7.0CA |
| 5KP7.5-G  | 5KP7.5C-G  | 7.5                                | 8.33                 | 10.20                | 1.0            | 500              | 14.3                                  | 349.65               | 100                                   | 5KP7.5  | 5KP7.5C  |
| 5KP7.5A-G | 5KP7.5CA-G | 7.5                                | 8.33                 | 9.21                 | 1.0            | 500              | 12.9                                  | 387.60               | 100                                   | 5KP7.5A | 5KP7.5CA |
| 5KP8.0-G  | 5KP8.0C-G  | 8.0                                | 8.89                 | 10.90                | 1.0            | 500              | 15.0                                  | 333.33               | 50                                    | 5KP8.0  | 5KP8.0C  |
| 5KP8.0A-G | 5KP8.0CA-G | 8.0                                | 8.89                 | 9.83                 | 1.0            | 500              | 13.6                                  | 367.65               | 50                                    | 5KP8.0A | 5KP8.0CA |
| 5KP8.5-G  | 5KP8.5C-G  | 8.5                                | 9.44                 | 11.50                | 1.0            | 500              | 15.9                                  | 314.47               | 20                                    | 5KP8.5  | 5KP8.5C  |
| 5KP8.5A-G | 5KP8.5CA-G | 8.5                                | 9.44                 | 10.40                | 1.0            | 500              | 14.4                                  | 347.22               | 20                                    | 5KP8.5A | 5KP8.5CA |
| 5KP9.0-G  | 5KP9.0C-G  | 9.0                                | 10.00                | 12.20                | 1.0            | 500              | 16.9                                  | 295.86               | 10                                    | 5KP9.0  | 5KP9.0C  |
| 5KP9.0A-G | 5KP9.0CA-G | 9.0                                | 10.00                | 11.10                | 1.0            | 500              | 15.4                                  | 324.68               | 10                                    | 5KP9.0A | 5KP9.0CA |
| 5KP10-G   | 5KP10C-G   | 10.0                               | 11.10                | 13.60                | 1.0            | 500              | 18.8                                  | 265.96               | 5                                     | 5KP10   | 5KP10C   |
| 5KP10A-G  | 5KP10CA-G  | 10.0                               | 11.10                | 12.30                | 1.0            | 500              | 17.0                                  | 294.12               | 5                                     | 5KP10A  | 5KP10CA  |
| 5KP11-G   | 5KP11C-G   | 11.0                               | 12.20                | 14.90                | 1.0            | 500              | 20.1                                  | 248.76               | 5                                     | 5KP11   | 5KP11C   |
| 5KP11A-G  | 5KP11CA-G  | 11.0                               | 12.20                | 13.50                | 1.0            | 500              | 18.2                                  | 274.73               | 5                                     | 5KP11A  | 5KP11CA  |
| 5KP12-G   | 5KP12C-G   | 12.0                               | 13.30                | 16.30                | 1.0            | 500              | 22.0                                  | 227.27               | 5                                     | 5KP12   | 5KP12C   |
| 5KP12A-G  | 5KP12CA-G  | 12.0                               | 13.30                | 14.70                | 1.0            | 500              | 19.9                                  | 251.26               | 5                                     | 5KP12A  | 5KP12CA  |
| 5KP13-G   | 5KP13C-G   | 13.0                               | 14.40                | 17.60                | 1.0            | 500              | 23.8                                  | 210.08               | 5                                     | 5KP13   | 5KP13C   |
| 5KP13A-G  | 5KP13CA-G  | 13.0                               | 14.40                | 15.90                | 1.0            | 500              | 21.5                                  | 232.56               | 5                                     | 5KP13A  | 5KP13CA  |
| 5KP14-G   | 5KP14C-G   | 14.0                               | 15.60                | 19.10                | 1.0            | 500              | 25.8                                  | 193.80               | 5                                     | 5KP14   | 5KP14C   |
| 5KP14A-G  | 5KP14CA-G  | 14.0                               | 15.60                | 17.20                | 1.0            | 500              | 23.2                                  | 215.52               | 5                                     | 5KP14A  | 5KP14CA  |
| 5KP15-G   | 5KP15C-G   | 15.0                               | 16.70                | 20.40                | 1.0            | 500              | 26.9                                  | 185.87               | 5                                     | 5KP15   | 5KP15C   |
| 5KP15A-G  | 5KP15CA-G  | 15.0                               | 16.70                | 18.50                | 1.0            | 500              | 24.4                                  | 204.92               | 5                                     | 5KP15A  | 5KP15CA  |
| 5KP16-G   | 5KP16C-G   | 16.0                               | 17.80                | 21.80                | 1.0            | 500              | 28.8                                  | 173.61               | 5                                     | 5KP16   | 5KP16C   |
| 5KP16A-G  | 5KP16CA-G  | 16.0                               | 17.80                | 19.70                | 1.0            | 500              | 26.0                                  | 192.31               | 5                                     | 5KP16A  | 5KP16CA  |
| 5KP17-G   | 5KP17C-G   | 17.0                               | 18.90                | 23.10                | 1.0            | 500              | 30.5                                  | 163.93               | 5                                     | 5KP17   | 5KP17C   |
| 5KP17A-G  | 5KP17CA-G  | 17.0                               | 18.90                | 20.90                | 1.0            | 500              | 27.6                                  | 181.16               | 5                                     | 5KP17A  | 5KP17CA  |
| 5KP18-G   | 5KP18C-G   | 18.0                               | 20.00                | 24.40                | 1.0            | 500              | 32.2                                  | 155.28               | 5                                     | 5KP18   | 5KP18C   |
| 5KP18A-G  | 5KP18CA-G  | 18.0                               | 20.00                | 22.10                | 1.0            | 500              | 29.2                                  | 171.23               | 5                                     | 5KP18A  | 5KP18CA  |
| 5KP20-G   | 5KP20C-G   | 20.0                               | 22.20                | 27.10                | 1.0            | 500              | 35.8                                  | 139.66               | 5                                     | 5KP20   | 5KP20C   |
| 5KP20A-G  | 5KP20CA-G  | 20.0                               | 22.20                | 24.50                | 1.0            | 500              | 32.4                                  | 154.32               | 5                                     | 5KP20A  | 5KP20CA  |
| 5KP22-G   | 5KP22C-G   | 22.0                               | 24.40                | 29.80                | 1.0            | 500              | 39.4                                  | 126.90               | 5                                     | 5KP22   | 5KP22C   |
| 5KP22A-G  | 5KP22CA-G  | 22.0                               | 24.40                | 26.90                | 1.0            | 500              | 35.5                                  | 140.85               | 5                                     | 5KP22A  | 5KP22CA  |
| 5KP24-G   | 5KP24C-G   | 24.0                               | 26.70                | 32.60                | 1.0            | 500              | 43.0                                  | 116.28               | 5                                     | 5KP24   | 5KP24C   |
| 5KP24A-G  | 5KP24CA-G  | 24.0                               | 26.70                | 29.50                | 1.0            | 500              | 38.9                                  | 128.53               | 5                                     | 5KP24A  | 5KP24CA  |
| 5KP26-G   | 5KP26C-G   | 26.0                               | 28.90                | 35.30                | 1.0            | 500              | 46.6                                  | 107.30               | 5                                     | 5KP26   | 5KP26C   |
| 5KP26A-G  | 5KP26CA-G  | 26.0                               | 28.90                | 31.90                | 1.0            | 500              | 42.1                                  | 118.76               | 5                                     | 5KP26A  | 5KP26CA  |
| 5KP28-G   | 5KP28C-G   | 28.0                               | 31.10                | 38.00                | 1.0            | 500              | 50.1                                  | 100.00               | 5                                     | 5KP28   | 5KP28C   |
| 5KP28A-G  | 5KP28CA-G  | 28.0                               | 31.10                | 34.40                | 1.0            | 500              | 45.4                                  | 110.13               | 5                                     | 5KP28A  | 5KP28CA  |

# 5000W Transient Voltage Suppressor

## RATING AND CHARACTERISTIC (5KP-G Series)

| Part No.  |            | Absolute Maximum Rating (Ta=25 °C) |          |          |        |           | Electrical Characteristics (Ta=25 °C) |          |              | Marking Code. |          |
|-----------|------------|------------------------------------|----------|----------|--------|-----------|---------------------------------------|----------|--------------|---------------|----------|
| Uni       | Bi         | VRWM                               | VBR Min. | VBR Max. | IT     | IFSM      | Max. Vc @Ippm                         |          | Max. Ir @VWM | Uni           | Bi       |
|           |            | ( V )                              | ( V )    | ( V )    | ( mA ) | (A)@8.3ms | ( V )                                 | Ippm (A) | uA           |               |          |
| 5KP30-G   | 5KP30C-G   | 30.0                               | 33.30    | 40.70    | 1.0    | 500       | 53.5                                  | 93.46    | 5            | 5KP30         | 5KP30C   |
| 5KP30A-G  | 5KP30CA-G  | 30.0                               | 33.30    | 36.80    | 1.0    | 500       | 48.4                                  | 103.31   | 5            | 5KP30A        | 5KP30CA  |
| 5KP33-G   | 5KP33C-G   | 33.0                               | 36.70    | 44.90    | 1.0    | 500       | 59.0                                  | 84.75    | 5            | 5KP33         | 5KP33C   |
| 5KP33A-G  | 5KP33CA-G  | 33.0                               | 36.70    | 40.60    | 1.0    | 500       | 53.3                                  | 93.81    | 5            | 5KP33A        | 5KP33CA  |
| 5KP36-G   | 5KP36C-G   | 36.0                               | 40.00    | 48.90    | 1.0    | 500       | 64.3                                  | 77.76    | 5            | 5KP36         | 5KP36C   |
| 5KP36A-G  | 5KP36CA-G  | 36.0                               | 40.00    | 44.20    | 1.0    | 500       | 58.1                                  | 86.06    | 5            | 5KP36A        | 5KP36CA  |
| 5KP40-G   | 5KP40C-G   | 40.0                               | 44.40    | 54.30    | 1.0    | 500       | 71.4                                  | 70.03    | 5            | 5KP40         | 5KP40C   |
| 5KP40A-G  | 5KP40CA-G  | 40.0                               | 44.40    | 49.10    | 1.0    | 500       | 64.5                                  | 77.52    | 5            | 5KP40A        | 5KP40CA  |
| 5KP43-G   | 5KP43C-G   | 43.0                               | 47.80    | 58.40    | 1.0    | 500       | 76.7                                  | 65.19    | 5            | 5KP43         | 5KP43C   |
| 5KP43A-G  | 5KP43CA-G  | 43.0                               | 47.80    | 52.80    | 1.0    | 500       | 69.4                                  | 72.05    | 5            | 5KP43A        | 5KP43CA  |
| 5KP45-G   | 5KP45C-G   | 45.0                               | 50.00    | 61.10    | 1.0    | 500       | 80.3                                  | 62.27    | 5            | 5KP45         | 5KP45C   |
| 5KP45A-G  | 5KP45CA-G  | 45.0                               | 50.00    | 55.30    | 1.0    | 500       | 72.7                                  | 68.78    | 5            | 5KP45A        | 5KP45CA  |
| 5KP48-G   | 5KP48C-G   | 48.0                               | 53.30    | 65.10    | 1.0    | 500       | 85.5                                  | 58.48    | 5            | 5KP48         | 5KP48C   |
| 5KP48A-G  | 5KP48CA-G  | 48.0                               | 53.30    | 58.90    | 1.0    | 500       | 77.4                                  | 64.60    | 5            | 5KP48A        | 5KP48CA  |
| 5KP51-G   | 5KP51C-G   | 51.0                               | 56.70    | 69.30    | 1.0    | 500       | 91.1                                  | 54.88    | 5            | 5KP51         | 5KP51C   |
| 5KP51A-G  | 5KP51CA-G  | 51.0                               | 56.70    | 62.70    | 1.0    | 500       | 82.4                                  | 60.68    | 5            | 5KP51A        | 5KP51CA  |
| 5KP54-G   | 5KP54C-G   | 54.0                               | 60.00    | 73.30    | 1.0    | 500       | 96.3                                  | 51.92    | 5            | 5KP54         | 5KP54C   |
| 5KP54A-G  | 5KP54CA-G  | 54.0                               | 60.00    | 66.30    | 1.0    | 500       | 87.1                                  | 57.41    | 5            | 5KP54A        | 5KP54CA  |
| 5KP58-G   | 5KP58C-G   | 58.0                               | 64.40    | 78.70    | 1.0    | 500       | 103.0                                 | 48.54    | 5            | 5KP58         | 5KP58C   |
| 5KP58A-G  | 5KP58CA-G  | 58.0                               | 64.40    | 71.20    | 1.0    | 500       | 93.6                                  | 53.42    | 5            | 5KP58A        | 5KP58CA  |
| 5KP60-G   | 5KP60C-G   | 60.0                               | 66.70    | 81.50    | 1.0    | 500       | 107.0                                 | 46.73    | 5            | 5KP60         | 5KP60C   |
| 5KP60A-G  | 5KP60CA-G  | 60.0                               | 66.70    | 73.70    | 1.0    | 500       | 96.8                                  | 51.65    | 5            | 5KP60A        | 5KP60CA  |
| 5KP64-G   | 5KP64C-G   | 64.0                               | 71.10    | 86.90    | 1.0    | 500       | 114.0                                 | 43.86    | 5            | 5KP64         | 5KP64C   |
| 5KP64A-G  | 5KP64CA-G  | 64.0                               | 71.10    | 78.60    | 1.0    | 500       | 103.0                                 | 48.54    | 5            | 5KP64A        | 5KP64CA  |
| 5KP70-G   | 5KP70C-G   | 70.0                               | 77.80    | 95.10    | 1.0    | 500       | 125.0                                 | 40.00    | 5            | 5KP70         | 5KP70C   |
| 5KP70A-G  | 5KP70CA-G  | 70.0                               | 77.80    | 86.00    | 1.0    | 500       | 113.0                                 | 44.25    | 5            | 5KP70A        | 5KP70CA  |
| 5KP75-G   | 5KP75C-G   | 75.0                               | 83.30    | 102.00   | 1.0    | 500       | 134.0                                 | 37.31    | 5            | 5KP75         | 5KP75C   |
| 5KP75A-G  | 5KP75CA-G  | 75.0                               | 83.30    | 92.10    | 1.0    | 500       | 121.0                                 | 41.32    | 5            | 5KP75A        | 5KP75CA  |
| 5KP78-G   | 5KP78C-G   | 78.0                               | 86.70    | 106.00   | 1.0    | 500       | 139.0                                 | 35.97    | 5            | 5KP78         | 5KP78C   |
| 5KP78A-G  | 5KP78CA-G  | 78.0                               | 86.70    | 95.80    | 1.0    | 500       | 126.0                                 | 39.68    | 5            | 5KP78A        | 5KP78CA  |
| 5KP85-G   | 5KP85C-G   | 85.0                               | 94.40    | 115.00   | 1.0    | 500       | 151.0                                 | 33.11    | 5            | 5KP85         | 5KP85C   |
| 5KP85A-G  | 5KP85CA-G  | 85.0                               | 94.40    | 104.00   | 1.0    | 500       | 137.0                                 | 36.50    | 5            | 5KP85A        | 5KP85CA  |
| 5KP90-G   | 5KP90C-G   | 90.0                               | 100.00   | 122.00   | 1.0    | 500       | 160.0                                 | 31.25    | 5            | 5KP90         | 5KP90C   |
| 5KP90A-G  | 5KP90CA-G  | 90.0                               | 100.00   | 111.00   | 1.0    | 500       | 146.0                                 | 34.25    | 5            | 5KP90A        | 5KP90CA  |
| 5KP100-G  | 5KP100C-G  | 100.0                              | 111.00   | 136.00   | 1.0    | 500       | 179.0                                 | 27.93    | 5            | 5KP100        | 5KP100C  |
| 5KP100A-G | 5KP100CA-G | 100.0                              | 111.00   | 123.00   | 1.0    | 500       | 162.0                                 | 30.86    | 5            | 5KP100A       | 5KP100CA |
| 5KP110-G  | 5KP110C-G  | 110.0                              | 122.00   | 149.00   | 1.0    | 500       | 196.0                                 | 25.51    | 5            | 5KP110        | 5KP110C  |
| 5KP110A-G | 5KP110CA-G | 110.0                              | 122.00   | 135.00   | 1.0    | 500       | 177.0                                 | 28.25    | 5            | 5KP110A       | 5KP110CA |
| 5KP120-G  | 5KP120C-G  | 120.0                              | 133.00   | 163.00   | 1.0    | 500       | 214.0                                 | 23.36    | 5            | 5KP120        | 5KP120C  |
| 5KP120A-G | 5KP120CA-G | 120.0                              | 133.00   | 147.00   | 1.0    | 500       | 193.0                                 | 25.91    | 5            | 5KP120A       | 5KP120CA |
| 5KP130-G  | 5KP130C-G  | 130.0                              | 144.00   | 176.00   | 1.0    | 500       | 230.0                                 | 21.65    | 5            | 5KP130        | 5KP130C  |
| 5KP130A-G | 5KP130CA-G | 130.0                              | 144.00   | 159.00   | 1.0    | 500       | 209.0                                 | 23.92    | 5            | 5KP130A       | 5KP130CA |
| 5KP150-G  | 5KP150C-G  | 150.0                              | 167.00   | 204.00   | 1.0    | 500       | 268.0                                 | 18.66    | 5            | 5KP150        | 5KP150C  |
| 5KP150A-G | 5KP150CA-G | 150.0                              | 167.00   | 185.00   | 1.0    | 500       | 243.0                                 | 20.58    | 5            | 5KP150A       | 5KP150CA |

## RATING AND CHARACTERISTIC (5KP-G Series)

| Part No.  |            | Absolute Maximum Rating (Ta=25 °C) |                      |                      |                |                  | Electrical Characteristics (Ta=25 °C) |                      |                                       | Marking Code. |          |
|-----------|------------|------------------------------------|----------------------|----------------------|----------------|------------------|---------------------------------------|----------------------|---------------------------------------|---------------|----------|
| Uni       | Bi         | V <sub>RWM</sub>                   | V <sub>BR</sub> Min. | V <sub>BR</sub> Max. | I <sub>T</sub> | I <sub>FSM</sub> | Max. V <sub>C</sub> @I <sub>PPM</sub> |                      | Max. I <sub>R</sub> @V <sub>RWM</sub> | Uni           | Bi       |
|           |            | ( V )                              | ( V )                | ( V )                | ( mA )         | (A)@8.3mS        | ( V )                                 | I <sub>PPM</sub> (A) | uA                                    |               |          |
| 5KP160-G  | 5KP160C-G  | 160.0                              | 178.00               | 218.00               | 1.0            | 500              | 287.0                                 | 17.42                | 5                                     | 5KP160        | 5KP160C  |
| 5KP160A-G | 5KP160CA-G | 160.0                              | 178.00               | 197.00               | 1.0            | 500              | 259.0                                 | 19.31                | 5                                     | 5KP160A       | 5KP160CA |
| 5KP170-G  | 5KP170C-G  | 170.0                              | 189.00               | 231.00               | 1.0            | 500              | 304.0                                 | 16.45                | 5                                     | 5KP170        | 5KP170C  |
| 5KP170A-G | 5KP170CA-G | 170.0                              | 189.00               | 209.00               | 1.0            | 500              | 275.0                                 | 18.18                | 5                                     | 5KP170A       | 5KP170CA |
| 5KP180-G  | 5KP180C-G  | 180.0                              | 200.16               | 244.80               | 1.0            | 500              | 322.2                                 | 15.52                | 5                                     | 5KP180        | 5KP180C  |
| 5KP180A-G | 5KP180CA-G | 180.0                              | 200.00               | 220.00               | 1.0            | 500              | 291.6                                 | 17.15                | 5                                     | 5KP180A       | 5KP180CA |
| 5KP190-G  | 5KP190C-G  | 190.0                              | 211.28               | 258.40               | 1.0            | 500              | 340.1                                 | 14.70                | 5                                     | 5KP190        | 5KP190C  |
| 5KP190A-G | 5KP190CA-G | 190.0                              | 211.00               | 232.00               | 1.0            | 500              | 307.8                                 | 16.24                | 5                                     | 5KP190A       | 5KP190CA |

### NOTES:

1. Suffix 'A' denotes 5% tolerance device. Without 'A' denotes 10% tolerance device
2. Add suffix 'C' or 'CA' after part number to specify Bi-directional devices
3. For Bi-Directional devices having V<sub>R</sub> of 10 Volts and under, the I<sub>R</sub> Limit is double

## RATING AND CHARACTERISTIC (5KP-G Series)

Fig.1 Pulse Derating Curve

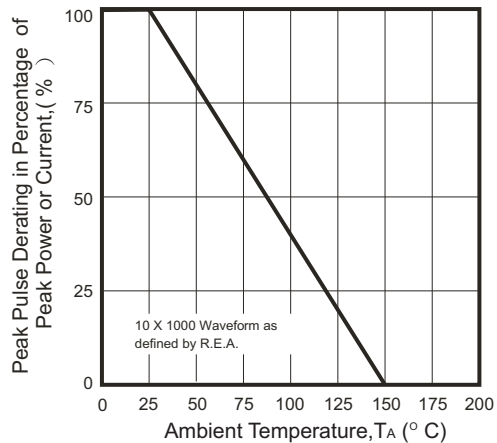


Fig.2 Maximum Non-Repetitive Surge Current

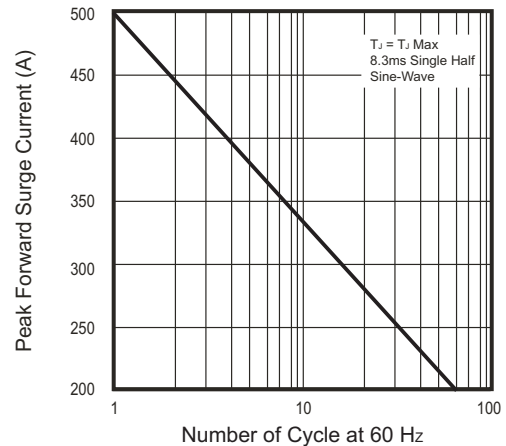


Fig.3 Steady State Power Derating Curve

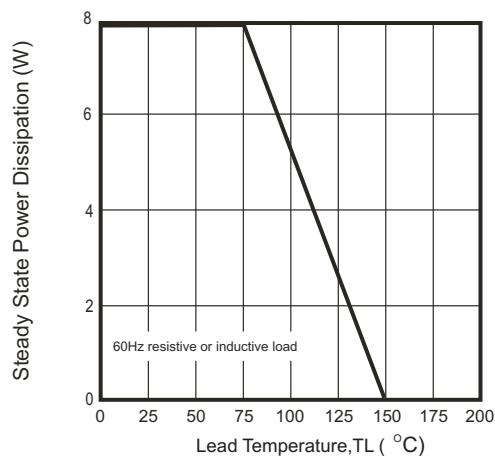


Fig.4 Peak Pulse Power Rating Curve

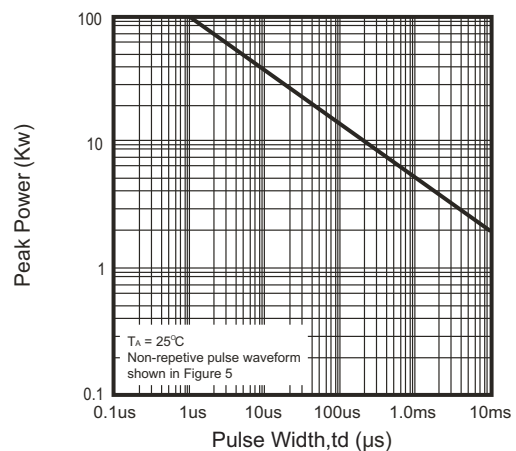


Fig.5 Pulse Waveform

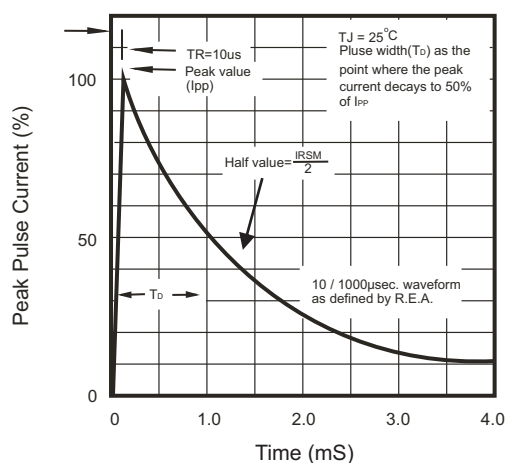
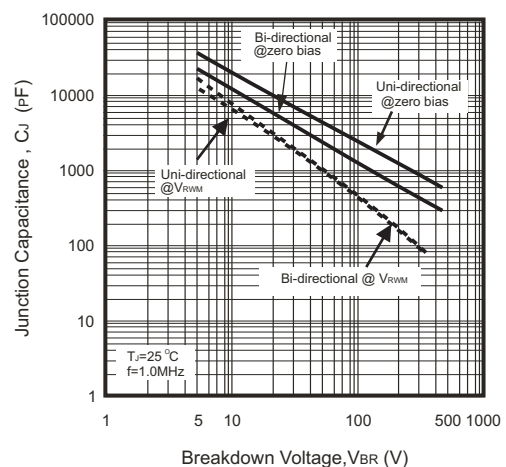


Fig.4 Typical Junction Capacitance





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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