



#### FEATURES

High Pulse Currents - High voltage

#### APPLICATIONS

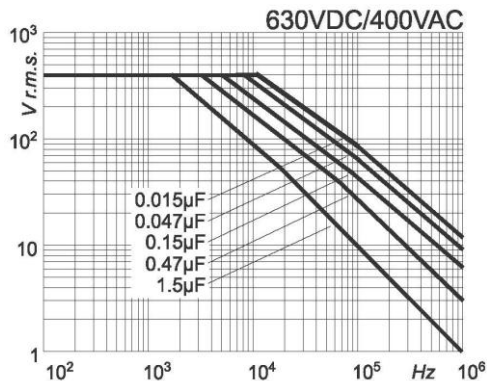
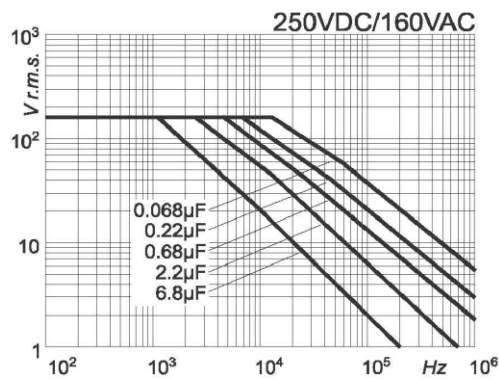
Power Semiconductor Circuits - SCR Commutation  
Ballast controls - Switching Power Supplies

|  |   |                   |            |   |  |                 |             |
|--|---|-------------------|------------|---|--|-----------------|-------------|
| <b>Operating Temperature Range</b>   | <b>-55°C to +105°C</b>  |                   |            |   |  |                 |             |
| <b>Capacitance Tolerance</b>   | ±10% at 1 kHz, 25°C<br>+5% optional                                   |                   |            |   |  |                 |             |
| <b>AC voltage (50/60 Hz)</b>   | <b>WVDC</b>   | <b>250</b>        | <b>400</b> | <b>630</b>  | <b>1000</b>  | <b>1600</b>     | <b>2000</b> |
|  | <b>VAC</b>  | 160               | 200        | 400   | 630  | 650             | 700         |
| For T>+85°C, The voltage (DC/AC) must be decreased by (1.5/2.25)% per °C                               |   |                   |            |   |  |                 |             |
| <b>Dissipation Factor (MAX)<br/>25°C</b>   | <b>Frequency (kHz)</b>  | <b>C&lt;0.1uF</b> |            | <b>0.1uF&lt;C&lt;1uF</b>  |  | <b>C&gt;1uF</b> |             |
|  | <b>1</b>  | 0.05%             |            | 0.04%   |  | 0.05%           |             |
|  | <b>10</b>   | 0.05%             |            | 0.06%   |  | -               |             |
|  | <b>100</b>  | 0.16%             |            | -   |  | -               |             |
| <b>Insulation Resistance<br/>@25°C (&lt;70% RH) for 1 minute at<br/>100VDC applied</b>                 | <b>Capacitance</b>  |                   |            | <b>Insulation Resistance</b>  |  |                 |             |
|  | <b>&lt;0.33µF</b>   |                   |            | 100000 MΩ   |  |                 |             |
|  | <b>&gt;0.33µF</b>   |                   |            | 30000 MΩxµF   |  |                 |             |
| <b>Self Inductance</b>   | <1 nano-Henry per mm of lead spacing                                  |                   |            |   |  |                 |             |
| <b>Capacitance Drift Factor</b>  | <0.5% after 2 years at 40°C   |                   |            |   |  |                 |             |
| <b>Load Life</b>   | <b>2000 Hours, +85C with 125% of rated voltage</b>                    |                   |            |   |  |                 |             |
|  | <b>Capacitance Change</b>   |                   |            | ≤1% of initially measured value   |  |                 |             |
|  | <b>Dissipation Factor</b>   |                   |            | ≤0.001 at 10kHz and 25°C for C≤1uF<br>≤0.001 at 1kHz and 25°C for C>1uF |  |                 |             |
|  | <b>Insulation Resistance</b>  |                   |            | ≥50% of maximum specified value   |  |                 |             |
| <b>Reliability<br/>(0.5xRated Voltage,<br/>40°C)<br/>1 FIT=1 failure/1 billion<br/>component hours</b> | 2 Fit, VDC<400 WVDC<br>1 Fit, VDC>400 WVDC                            |                   |            |   |  |                 |             |
|  | <b>Capacitance Change</b>   |                   |            | ≤10% of initially measured value  |  |                 |             |
|  | <b>Dissipation Factor</b>   |                   |            | ≤200% of initially specified value                                      |  |                 |             |
|  | <b>Insulation Resistance</b>  |                   |            | ≥50% of maximum specified value   |  |                 |             |
| <b>Damp Heat test</b>  | <b>56 days at 40°C with 90 to 95%RH, +40°C and no voltage applied</b> |                   |            |   |  |                 |             |
|  | <b>Capacitance Change</b>   |                   |            | ≤5% of initially measured value   |  |                 |             |
|  | <b>Dissipation Factor</b>   |                   |            | ≤0.005 at 1kHz and 25°C   |  |                 |             |
|  | <b>Insulation Resistance</b>  |                   |            | ≥50% of maximum specified value   |  |                 |             |
| <b>Self Inductance</b>   | <1 nano-Henry per mm of lead spacing                                  |                   |            |   |  |                 |             |
| <b>Capacitance Drift Factor</b>  | <0.5% after 2 years at 40°C   |                   |            |   |  |                 |             |
| <b>Capacitance Temperature Coefficient</b>   | -200 ppm/°C, ±100ppm/°C   |                   |            |   |  |                 |             |
| <b>Dielectric Strength</b>   | <b>Terminal to Terminal</b>   |                   |            |   | <b>Terminal to case</b>  |                 |             |
|  | 160% of rated VDC or 150% VAC applied for 2 Seconds and 25°C          |                   |            |   | 3kVAC @ 50/60 Hz applied between terminals and case for 60 seconds at 25°C |                 |             |
| <b>Dielectric Construction</b>   | Polypropylene<br>Metallized film                                      |                   |            |   |  |                 |             |
| <b>Plastic Case and Epoxy Resin</b>  | Flame Retardant materials (UL 94V-0)                                  |                   |            |   |  |                 |             |
| <b>Leads</b>   | Lead free tinned copper leads   |                   |            |   |  |                 |             |



|    |         |         |        |        |
|----|---------|---------|--------|--------|
| L  | 18      | 26.5    | 32     | 42.5   |
| S  | 15      | 22.5    | 27.5   | 37.5   |
| d  | 0.8     | 0.8     | 0.8    | 1.2    |
| LL | 5.0±1.0 | 5.0±1.0 | 30±5.0 | 30±5.0 |

Permissible (sinusoidal) AC voltage versus frequency for a temperature rise of 10°C  
Not for across the line applications



# PPB

## High Voltage Pulse Radial Lead Snubber

| WVDC | Capacitance (µF) | IC PART NUMBER | dv/dt (v/µ sec.) | Dims LxHxT (mm) | S (MM) | d (MM) |
|------|------------------|----------------|------------------|-----------------|--------|--------|
| 250  | 0.047            | 473PPB250K     | 560              | 18x11x5         | 15     | 0.8    |
| 250  | 0.068            | 683PPB250K     | 560              | 18x12x6         | 15     | 0.8    |
| 250  | 0.1              | 104PPB250K     | 560              | 18x13.5x7.5     | 15     | 0.8    |
| 250  | 0.15             | 154PPB250K     | 560              | 18x14.5x8.5     | 15     | 0.8    |
| 250  | 0.22             | 224PPB250KB    | 560              | 18x16x10        | 15     | 0.8    |
| 250  | 0.22             | 224PPB250K     | 320              | 26.5x15x6       | 22.5   | 0.8    |
| 250  | 0.33             | 334PPB250K     | 320              | 26.5x17x8.5     | 22.5   | 0.8    |
| 250  | 0.47             | 474PPB250K     | 320              | 26.5x18.5x10    | 22.5   | 0.8    |
| 250  | 0.68             | 684PPB250KB    | 320              | 26.5x20x11      | 22.5   | 0.8    |
| 250  | 0.68             | 684PPB250K     | 240              | 32x20x11        | 27.5   | 0.8    |
| 250  | 1                | 105PPB250KG    | 320              | 26.5x22x13      | 22.5   | 0.8    |
| 250  | 1                | 105PPB250K     | 240              | 32x20x11        | 27.5   | 0.8    |
| 250  | 1.5              | 155PPB250K     | 240              | 32x24.5x15      | 27.5   | 0.8    |
| 250  | 2.2              | 225PPB250K     | 240              | 32x28x14        | 27.5   | 0.8    |
| 250  | 2.2              | 225PPB250KB    | 170              | 42.5x28x17      | 37.5   | 1      |
| 250  | 3.3              | 335PPB250K     | 170              | 42.5x30x22      | 37.5   | 1      |
| 250  | 4.7              | 475PPB250K     | 170              | 42.5x30x22      | 37.5   | 1      |
| 250  | 6.8              | 685PPB250K     | 170              | 42.5x37x28      | 37.5   | 1      |
| 400  | 0.033            | 333PPB400K     | 910              | 18x11x5         | 15     | 0.8    |
| 400  | 0.047            | 473PPB400K     | 910              | 18x12x6         | 15     | 0.8    |
| 400  | 0.068            | 683PPB400K     | 910              | 18x13.5x7.5     | 15     | 0.8    |
| 400  | 0.1              | 104PPB400K     | 910              | 18x14.5x8.5     | 15     | 0.8    |
| 400  | 0.15             | 154PPB400KE    | 910              | 18x16x10        | 15     | 0.8    |
| 400  | 0.15             | 154PPB400K     | 520              | 26.5x16x7       | 22.5   | 0.8    |
| 400  | 0.22             | 224PPB400K     | 520              | 26.5x18.5x10    | 22.5   | 0.8    |
| 400  | 0.33             | 334PPB400K     | 520              | 26.5x20x11      | 22.5   | 0.8    |
| 400  | 0.33             | 334PPB400KH    | 400              | 32x17x9         | 27.5   | 0.8    |
| 400  | 0.47             | 474PPB400KG    | 520              | 26.5x22x13      | 22.5   | 0.8    |
| 400  | 0.47             | 474PPB400K     | 400              | 32x22x13        | 27.5   | 0.8    |
| 400  | 0.68             | 684PPB400K     | 400              | 32x24.5x15      | 27.5   | 0.8    |
| 400  | 1                | 105PPB400KB    | 400              | 32x33x18        | 27.5   | 1      |
| 400  | 1                | 105PPB400K     | 280              | 42.5x28x17      | 37.5   | 1      |
| 400  | 1.5              | 155PPB400K     | 280              | 42.5x28x17      | 37.5   | 1      |
| 400  | 2.2              | 225PPB400K     | 280              | 42.5x30x22      | 37.5   | 1      |
| 400  | 3.3              | 335PPB400K     | 280              | 42.5x37x28      | 37.5   | 1      |
| 630  | 0.0047           | 472PPB630K     | 3300             | 18x11x5         | 15     | 0.8    |
| 630  | 0.0068           | 682PPB630K     | 3300             | 18x11x5         | 15     | 0.8    |
| 630  | 0.01             | 103PPB630K     | 3300             | 18x11x5         | 15     | 0.8    |
| 630  | 0.015            | 153PPB630K     | 3300             | 18x11x5         | 15     | 0.8    |
| 630  | 0.022            | 223PPB630K     | 3300             | 18x12x6         | 15     | 0.8    |
| 630  | 0.033            | 333PPB630K     | 3300             | 18x13.5x7.5     | 15     | 0.8    |
| 630  | 0.047            | 473PPB630KB    | 3300             | 18x16x10        | 15     | 0.8    |
| 630  | 0.047            | 473PPB630K     | 2050             | 26.5x15x6       | 22.5   | 0.8    |
| 630  | 0.068            | 683PPB630K     | 2050             | 26.5x16x7       | 22.5   | 0.8    |
| 630  | 0.1              | 104PPB630K     | 2050             | 26.5x17x8.5     | 22.5   | 0.8    |
| 630  | 0.15             | 154PPB630KG    | 1500             | 26.5x20x11      | 22.5   | 0.8    |
| 630  | 0.15             | 154PPB630K     | 1500             | 32x20x11        | 27.5   | 0.8    |
| 630  | 0.22             | 224PPB630K     | 1500             | 32x22x13        | 27.5   | 0.8    |
| 630  | 0.33             | 334PPB630K     | 1500             | 32x24.5x15      | 27.5   | 0.8    |
| 630  | 0.47             | 474PPB630KB    | 1500             | 32x33x18        | 27.5   | 1      |
| 630  | 0.47             | 474PPB630K     | 950              | 42.5x28x17      | 37.5   | 1      |
| 630  | 0.68             | 684PPB630K     | 950              | 42.5x28x17      | 37.5   | 1      |
| 630  | 1                | 105PPB630K     | 950              | 42.5x30x22      | 37.5   | 1      |
| 630  | 1.5              | 155PPB630K     | 950              | 42.5x37x28      | 37.5   | 1      |
| 1000 | 0.0033           | 332PPB102K     | 5500             | 18x11x5         | 15     | 0.8    |
| 1000 | 0.0047           | 472PPB102K     | 5500             | 18x11x5         | 15     | 0.8    |
| 1000 | 0.0068           | 682PPB102K     | 5500             | 18x11x5         | 15     | 0.8    |

| WVDC | Capacitance (µF) | IC PART NUMBER | dv/dt (v/µ sec.) | Dims LxHxT (mm) | S (MM) | d (MM) |
|------|------------------|----------------|------------------|-----------------|--------|--------|
| 1000 | 0.01             | 103PPB102KE    | 6200             | 18x12x6         | 15     | 0.8    |
| 1000 | 0.01             | 103PPB102K     | 2500             | 26.5x15x6       | 22.5   | 0.8    |
| 1000 | 0.015            | 153PPB102KB    | 5500             | 18x13.5x7.5     | 15     | 0.8    |
| 1000 | 0.015            | 153PPB102K     | 2600             | 26.5x15x6       | 22.5   | 0.8    |
| 1000 | 0.022            | 223PPB102KB    | 5500             | 18x14.5x8.5     | 15     | 0.8    |
| 1000 | 0.022            | 223PPB102K     | 2600             | 26.5x15x6       | 22.5   | 0.8    |
| 1000 | 0.033            | 333PPB102K     | 2600             | 26.5x16x7       | 22.5   | 0.8    |
| 1000 | 0.047            | 473PPB102K     | 2600             | 26.5x17x8.5     | 22.5   | 0.8    |
| 1000 | 0.068            | 683PPB102K     | 2600             | 26.5x18.5x10    | 22.5   | 0.8    |
| 1000 | 0.1              | 104PPB102KG    | 2600             | 26.5x22x13      | 22.5   | 0.8    |
| 1000 | 0.1              | 104PPB102K     | 1850             | 32x20x11        | 27.5   | 0.8    |
| 1000 | 0.15             | 154PPB102K     | 1850             | 32x22x13        | 27.5   | 0.8    |
| 1000 | 0.22             | 224PPB102K     | 1850             | 32x28x14        | 27.5   | 0.8    |
| 1000 | 0.33             | 334PPB102KB    | 1850             | 32x33x18        | 27.5   | 1      |
| 1000 | 0.33             | 334PPB102K     | 1200             | 42.5x28x17      | 37.5   | 1      |
| 1000 | 0.47             | 474PPB102K     | 1200             | 42.5x30x22      | 37.5   | 1      |
| 1000 | 0.68             | 684PPB102K     | 1200             | 42.5x37x28      | 37.5   | 1      |
| 1000 | 1                | 105PPB102K     | 1200             | 42.5x37x28      | 37.5   | 1      |
| 1600 | 0.0022           | 222PPB162K     | 7500             | 18x11x5         | 15     | 0.8    |
| 1600 | 0.0033           | 332PPB162K     | 7500             | 18x12x6         | 15     | 0.8    |
| 1600 | 0.0047           | 472PPB162K     | 7500             | 18x13.5x7.5     | 15     | 0.8    |
| 1600 | 0.0068           | 682PPB162K     | 7500             | 18x14.5x8.5     | 15     | 0.8    |
| 1600 | 0.01             | 103PPB162KB    | 7500             | 18x16x10        | 15     | 0.8    |
| 1600 | 0.01             | 103PPB162K     | 3800             | 26.5x15x6       | 22.5   | 0.8    |
| 1600 | 0.015            | 153PPB162K     | 3800             | 26.5x16x7       | 22.5   | 0.8    |
| 1600 | 0.022            | 223PPB162K     | 3800             | 26.5x17x8.5     | 22.5   | 0.8    |
| 1600 | 0.033            | 333PPB162K     | 3800             | 26.5x18.5x10    | 22.5   | 0.8    |
| 1600 | 0.047            | 473PPB162KG    | 3800             | 26.5x22x13      | 22.5   | 0.8    |
| 1600 | 0.047            | 473PPB162K     | 2700             | 32x20x11        | 27.5   | 0.8    |
| 1600 | 0.068            | 683PPB162K     | 2700             | 32x22x13        | 27.5   | 0.8    |
| 1600 | 0.1              | 104PPB162K     | 2700             | 32x28x14        | 27.5   | 0.8    |
| 1600 | 0.15             | 154PPB162KB    | 2700             | 32x33x18        | 27.5   | 1      |
| 1600 | 0.15             | 154PPB162K     | 1700             | 42.5x28x17      | 37.5   | 1      |
| 1600 | 0.22             | 224PPB162K     | 1700             | 42.5x28x17      | 37.5   | 1      |
| 1600 | 0.33             | 334PPB162K     | 1700             | 42.5x30x22      | 37.5   | 1      |
| 1600 | 0.47             | 474PPB162K     | 1700             | 42.5x37x28      | 37.5   | 1      |
| 2000 | 0.001            | 102PPB202KE    | 9000             | 18x11x5         | 15     | 0.8    |
| 2000 | 0.001            | 102PPB202K     | 6200             | 26.5x15x6       | 22.5   | 0.8    |
| 2000 | 0.0015           | 152PPB202KE    | 9000             | 18x11x5         | 15     | 0.8    |
| 2000 | 0.0022           | 222PPB202KE    | 9000             | 18x12x6         | 15     | 0.8    |
| 2000 | 0.0033           | 332PPB202KB    | 9000             | 18x13.5x7.5     | 15     | 0.8    |
| 2000 | 0.0033           | 332PPB202K     | 6200             | 26.5x15x6       | 22.5   | 0.8    |
| 2000 | 0.0047           | 472PPB202KB    | 9000             | 18x14.5x8.5     | 15     | 0.8    |
| 2000 | 0.0047           | 472PPB202K     | 6200             | 26.5x15x6       | 22.5   | 0.8    |
| 2000 | 0.0068           | 682PPB202KB    | 9000             | 18x16x10        | 15     | 0.8    |
| 2000 | 0.0068           | 682PPB202K     | 6200             | 26.5x15x6       | 22.5   | 0.8    |
| 2000 | 0.01             | 103PPB202K     | 6200             | 26.5x17x8.5     | 22.5   | 0.8    |
| 2000 | 0.015            | 153PPB202K     | 6200             | 26.5x18.5x10    | 22.5   | 0.8    |
| 2000 | 0.022            | 223PPB202KG    | 6200             | 26.5x22x13      | 22.5   | 0.8    |
| 2000 | 0.022            | 223PPB202K     | 4200             | 32x20x11        | 27.5   | 0.8    |
| 2000 | 0.033            | 333PPB202K     | 4200             | 32x22x13        | 27.5   | 0.8    |
| 2000 | 0.047            | 473PPB202K     | 4200             | 32x24.5x15      | 27.5   | 0.8    |
| 2000 | 0.068            | 683PPB202K     | 4200             | 32x28x14        | 27.5   | 0.8    |
| 2000 | 0.1              | 104PPB202KB    | 4200             | 32x33x18        | 27.5   | 1      |
| 2000 | 0.1              | 104PPB202K     | 2600             | 42.5x28x17      | 37.5   | 1      |
| 2000 | 0.15             | 154PPB202K     | 2600             | 42.5x30x22      | 37.5   | 1      |
| 2000 | 0.22             | 224PPB202K     | 2600             | 42.5x37x28      | 37.5   | 1      |

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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