



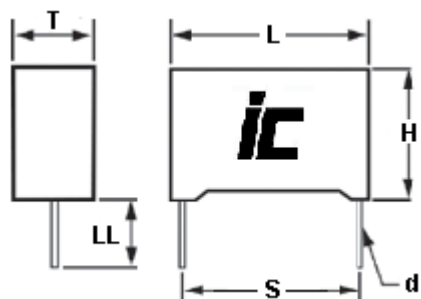
#### FEATURES

High Pulse Currents - High voltage

#### APPLICATIONS

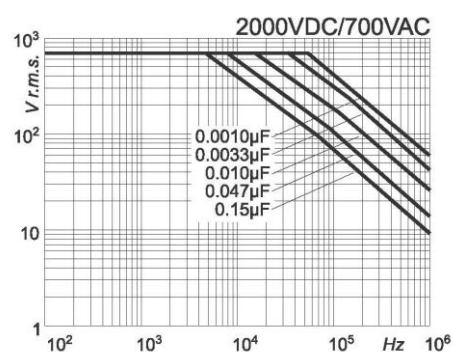
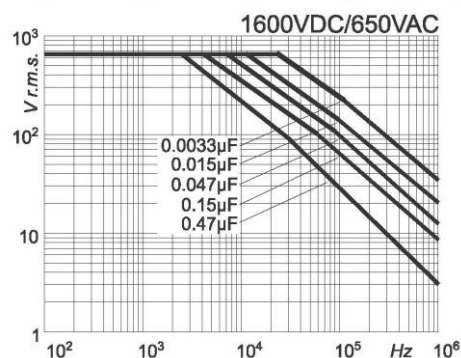
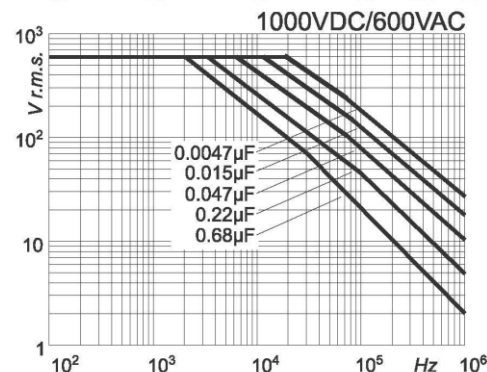
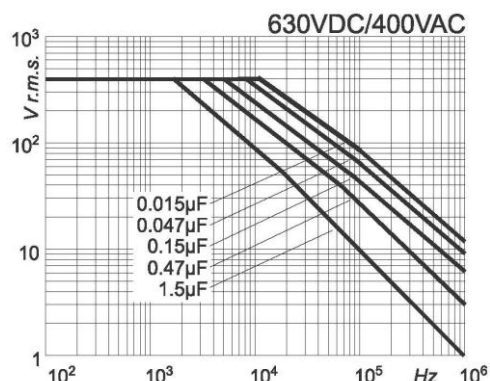
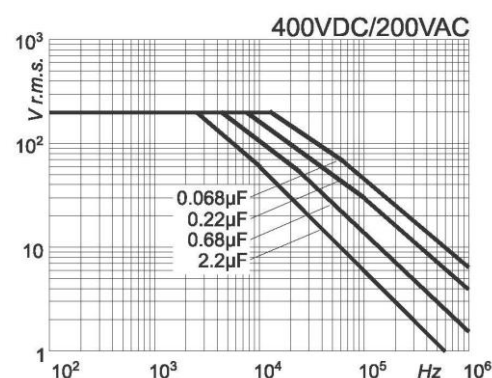
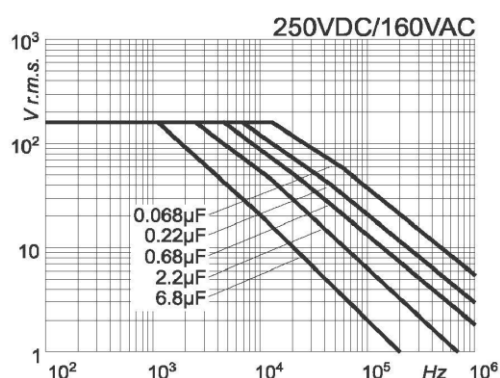
Power Semiconductor Circuits - SCR Commutation  
Ballast controls - Switching Power Supplies

|                                                                                             |                                                                           |         |     |                                                                         |      |                                                                            |      |  |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------|-----|-------------------------------------------------------------------------|------|----------------------------------------------------------------------------|------|--|
| Operating Temperature Range                                                                 | -55°C to +105°C                                                           |         |     |                                                                         |      |                                                                            |      |  |
| Capacitance Tolerance                                                                       | ±10% at 1 kHz, 25°C<br>+5% optional                                       |         |     |                                                                         |      |                                                                            |      |  |
| AC voltage (50/60 Hz)                                                                       | WVDC                                                                      | 250     | 400 | 630                                                                     | 1000 | 1600                                                                       | 2000 |  |
|                                                                                             | VAC                                                                       | 160     | 200 | 400                                                                     | 630  | 650                                                                        | 700  |  |
|                                                                                             | For T>+85°C , The voltage (DC/AC) must be decreased by (1.5/2.25)% per °C |         |     |                                                                         |      |                                                                            |      |  |
| Dissipation Factor (MAX)<br>25°C                                                            | Frequency (kHz)                                                           | C≤0.1uF |     | 0.1uF<C≤1uF                                                             |      | C>1uF                                                                      |      |  |
|                                                                                             | 1                                                                         | 0.05%   |     | 0.04%                                                                   |      | 0.05%                                                                      |      |  |
|                                                                                             | 10                                                                        | 0.05%   |     | 0.06%                                                                   |      | -                                                                          |      |  |
|                                                                                             | 100                                                                       | 0.16%   |     | -                                                                       |      | -                                                                          |      |  |
| Insulation Resistance<br>@25°C (<70% RH)for 1 minute at<br>100VDC applied                   | Capacitance                                                               |         |     | Insulation Resistance                                                   |      |                                                                            |      |  |
|                                                                                             | ≤0.33μF                                                                   |         |     | 100000 MΩ                                                               |      |                                                                            |      |  |
|                                                                                             | >0.33μF                                                                   |         |     | 30000 MΩxμF                                                             |      |                                                                            |      |  |
| Self Inductance                                                                             | <1 nano-Henry per mm of lead spacing                                      |         |     |                                                                         |      |                                                                            |      |  |
| Capacitance Drift Factor                                                                    | <0.5% after 2 years at 40°C                                               |         |     |                                                                         |      |                                                                            |      |  |
| Load Life                                                                                   | 2000 Hours, +85C with 125% of rated voltage                               |         |     |                                                                         |      |                                                                            |      |  |
|                                                                                             | Capacitance Change                                                        |         |     | ≤1% of initially measured value                                         |      |                                                                            |      |  |
|                                                                                             | Dissipation Factor                                                        |         |     | ≤0.001 at 10kHz and 25°C for C≤1uF<br>≤0.001 at 1kHz and 25°C for C>1uF |      |                                                                            |      |  |
|                                                                                             | Insulation Resistance                                                     |         |     | ≥50% of maximum specified value                                         |      |                                                                            |      |  |
| Reliability<br>(0.5xRated Voltage,<br>40°C)<br>1 FIT=1 failure/1 billion<br>component hours | 2 Fit, VDC≤400 WVDC<br>1 Fit, VDC>400 WVDC                                |         |     |                                                                         |      |                                                                            |      |  |
|                                                                                             | Capacitance Change                                                        |         |     | ≤10% of initially measured value                                        |      |                                                                            |      |  |
|                                                                                             | Dissipation Factor                                                        |         |     | ≤200% of initially specified value                                      |      |                                                                            |      |  |
|                                                                                             | Insulation Resistance                                                     |         |     | ≥50% of maximum specified value                                         |      |                                                                            |      |  |
| Damp Heat test                                                                              | 56 days at40°C with 90 to 95%RH, +40°C and no voltage applied             |         |     |                                                                         |      |                                                                            |      |  |
|                                                                                             | Capacitance Change                                                        |         |     | ≤5% of initially measured value                                         |      |                                                                            |      |  |
|                                                                                             | Dissipation Factor                                                        |         |     | ≤0.005 at 1kHz and 25°C                                                 |      |                                                                            |      |  |
|                                                                                             | Insulation Resistance                                                     |         |     | ≥50% of maximum specified value                                         |      |                                                                            |      |  |
| Self Inductance                                                                             | <1 nano-Henry per mm of lead spacing                                      |         |     |                                                                         |      |                                                                            |      |  |
| Capacitance Drift Factor                                                                    | <0.5% after 2 years at 40°C                                               |         |     |                                                                         |      |                                                                            |      |  |
| Capacitance Temperature Coefficient                                                         | -200 ppm/°C, ±100ppm/°C                                                   |         |     |                                                                         |      |                                                                            |      |  |
| Dielectric Strength                                                                         | Terminal to Terminal                                                      |         |     |                                                                         |      | Terminal to case                                                           |      |  |
|                                                                                             | 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 |      |  |
| Dielectric Construction                                                                     | Polypropylene<br>Metallized film                                          |         |     |                                                                         |      |                                                                            |      |  |
| Plastic Case and Epoxy Resin                                                                | Flame Retardant materials (UL 94V-0)                                      |         |     |                                                                         |      |                                                                            |      |  |
| Leads                                                                                       | 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      |

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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