

PPS

Metallized Polypropylene Film Capacitors for Power Semiconductor Circuits



- Snubber Capacitor for Energy Conversion in Power Semiconductor Circuits.
- High Voltage
- SMPS
- Induction Heaters
- High Current
- High Pulse Current Applications

| | | | | | | | | | |
|---|------|---|------|-------------------------------|---------|------|------|---------|------|
| Operating Temperature Range | | -40°C to +85°C | | | | | | | |
| Capacitance Tolerance | | +/- 10% at 1kHz, 20°C | | | | | | | |
| Rated Voltage | VDC | 700 | 850 | 1000 | 1200 | 1500 | 2000 | 2500 | 3000 |
| | SVDC | 1000 | 1200 | 1400 | 1600 | 2000 | 2400 | 3000 | 3500 |
| | VAC | 380 | 450 | 480 | 500 | 575 | 630 | 700 | 750 |
| Dissipation Factor (max) at 20°C. | | Freq (kHz) | | | C<1.5µF | | | C>1.5µF | |
| | | 1 | | | .05% | | | .07% | |
| Insulation Resistance @20°C(<70% RH) for 1 minute at 100VDC | | ≥30,000MΩ x µF Not to exceed 30,000MΩ | | | | | | | |
| Dielectric Strength | | 200% of rated VDC for 10 seconds at 20°C between leads 3kV at 60 Hz for 60 seconds between leads and case. | | | | | | | |
| Damp Heat Test | | 56 days at +40°C/-2°C with 93%+/-2% relative humidity. | | | | | | | |
| | | Capacitance change | | ≤2% change from initial value | | | | | |
| | | Dissipation Factor | | ≤0.001 at 1kHz and 25°C | | | | | |
| | | Insulation Resistance | | ≥50% of minimum specification | | | | | |
| Self inductance | | <1nH/mm of body length and lead wire length. | | | | | | | |
| Capacitance drift | | <1.0% up to 40°C after 2 years | | | | | | | |
| Temperature Coefficient | | -200ppm/°C +/- 100ppm/°C | | | | | | | |
| Life Expectancy | | ≥30,000 hours @VAC ≥100,000 hours @WVDC at 70°C | | | | | | | |
| Failure rate | | 300/billion component hours. | | | | | | | |
| Dielectric | | Polypropylene | | | | | | | |
| Electrodes | | Vacuum deposited metal layers | | | | | | | |
| Construction | | Extended metallized carrier film, internal series connections. | | | | | | | |
| Leads | | Tinned copper wire. | | | | | | | |
| Coating | | Flame retardant polyester tape wrap (UL 510) with epoxy end fills (UL 94V-0) | | | | | | | |

PHYSICAL DIMENSIONS

| VDC (VAC) μF | 700 (380) | 850 (450) | 1000 (480) | 1200 (500) | 1500 (575) | 2000 (630) | 2500 (700) | 3000 (750) |
|-----------------|------------------|---------------------------|-------------------------------|---------------------------|---------------------------|-----------------------------|-------------------------------|---------------------------|
| 0.0068 | | | | | | | | 12x29 |
| 0.01 | | | | | | | 11.5x29 | 11.5x34 14x29 |
| 0.015 | | | | | | | 13x29 | 14x34 16x29 |
| 0.022 | | | | | | 12x29 | 15x29 | 15.5x34 |
| 0.033 | | | | | 11.5x29 | 13.5x29 | 13.5x34 | 18x34 |
| 0.047 | | | | 11x29 | 13x29 | 13x34 15.5x29 | 15.5x34 | 21x34 |
| 0.068 | | | 11.5x29 | 12.5x29 | 12.5x34 14.5x29 | 15x34 17.5x29 | 18x34 | 20x46 25x34 |
| 0.1 | | 11.5x29 | 13x29 | 12.5x34 14.5x29 | 14.5x34 17.5x29 | 17.5x34 | 17.5x46 22x34 | 23.5x46 |
| 0.15 | 11.5x29 | 12x34 13x29 | 13x34 15x29 | 14.5x34 17x29 | 17.5x34 | 17.5x46 21.5x34 | 21.5x46 26x34 | 28.5x46 |
| 0.22 | 13x29 | 13.5x34 15x29 | 15x34 17x29 | 17x34 | 17x46 20.5x34 | 21x46 25.5x34 | 25x46 | 27.5x59 29x55 34x46 |
| 0.33 | 13x34 15x29 | 16x34 17.5x29 | 17.5x34 | 17x46 20.5x34 | 20.5x46 24.5x34 | 25x46 | 25x59 26x55 30x46 | 32.5x59 34x55 |
| 0.47 | 15x34 17.5x29 | 18.5x34 | 17.5x46 21x34 | 20x46 23.5x34 | 24x46 | 29x46 | 29.5x59 30.5x55 35.5x46 | 39x59 41x55 |
| 0.56 | | | | | | | | 42x59 |
| 0.68 | 17.5x34 | 18x46 21.5x34 | 20.5x46 24.5x34 | 23x46 | 28x46 | 28.5x59 30x55 34.5x46 | 36.5x55 35x59 | |
| 0.82 | | | | | | | 38.5x59 40x55 | |
| 1 | 17.5x46 21x34 | 21.5x46 26x34 | 24.5x46 | 27.5x46 | 28x59 29x55 33.5x46 | 33.5x59 35.5x55 | 42x59 | |
| 1.2 | | | | | 31.5x59 30x59 | | | |
| 1.3 | | | | | | 38x59 40.5x55 | | |
| 1.5 | 21x46 25x34 | 25.5x46 | 24.5x59 25.5x55 29.5x46 | 27x59 29x55 33.5x46 | 33.5x59 35.5x55 | 40.5x59 | | |
| 2 | 24x46 | 29x46 | 27.5x59 29x55 33x46 | 31x59 33x55 | 38x59 40.5x55 | | | |
| 2.2 | 25x46 | 25x59 26.5x55 30x46 | 28.5x59 30.5x55 | 32.5x59 34.5x55 | 40x59 41.5x55 | | | |

Convert to inches, divide by 25.4

DxL (mm)

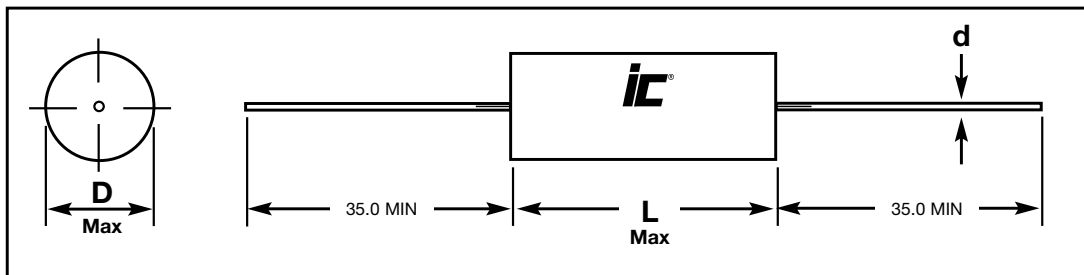


PHYSICAL DIMENSIONS

| μF \diagdown VDC (VAC) | 700 (380) | 850 (450) | 1000 (480) | 1200 (500) | 1500 (575) | 2000 (630) | 2500 (700) | 3000 (750) |
|-----------------------------------|-----------------------------|-----------------------------|--------------------|--------------------|------------|------------|------------|------------|
| 2.5 | 26.5x46 | 26.5x59 28x55 | 31x59 33x55 | 34.5x59 36.5x55 | | | | |
| 3 | 29x46 | 29x59 30.5x55 34.5x46 | 33x59 35.5x55 | 37.5x59 40x55 | | | | |
| 3.3 | 25x59 26.5x55 30x46 | 30x59 32x55 | 34.5x59 36.5x55 | 39x59 41.5x55 | | | | |
| 4 | 27x59 28.5x55 32.5x46 | 33x59 35x55 | 38x59 40x55 | | | | | |
| 4.7 | 29x59 31x55 | 35.5x59 37x55 | 40.5x59 | | | | | |
| 5 | 30x59 32x55 | 36.5x59 38x55 | | | | | | |
| 5.6 | → | 40.5x55 | | | | | | |
| 6.8 | 34.5x59 37x55 | 41.5x59 | | | | | | |
| 8.2 | 38x59 40.5x55 | | | | | | | |
| 10 | 41.5x59 | | | | | | | |

Convert to inches, divide by 25.4

DxL (mm)



| | | | | | | | |
|----------|-------|-----|-----|-----|-----|-----|-----|
| L | 29 | 34 | 34 | 46 | 46 | 55 | 59 |
| D | ≤17.5 | ≤18 | >18 | ≤25 | ≤25 | >41 | >42 |
| d | 0.8 | 0.8 | 1.0 | 1.0 | 1.2 | 1.2 | 1.2 |

PPS

Metallized Polypropylene
Film Capacitor for
Power Semiconductor
Circuits

STANDARD PART LISTING

| Capacitance (µF) | WVDC | IC PART NUMBER | dv/dt (v/µs) | Maximum RMS Current @100 kHz, +70°C in Amps | Typical ESR @100 kHz, +25°C in mΩ | Dimensions DxL (mm) |
|------------------|------|----------------|--------------|---|-----------------------------------|---------------------|
| 0.0068 | 3000 | 682PPS302KG | 1500 | 1 | 75 | 12x29 |
| 0.01 | 2500 | 103PPS252KG | 1050 | 1.5 | 58 | 11.5x29 |
| 0.01 | 3000 | 103PPS302K | 1200 | 1.5 | 68 | 11.5x34 |
| 0.01 | 3000 | 103PPS302KG | 1500 | 1.5 | 56 | 14x29 |
| 0.015 | 2500 | 153PPS252KG | 1050 | 2 | 42 | 13x29 |
| 0.015 | 3000 | 153PPS302K | 1200 | 2 | 43 | 14x34 |
| 0.015 | 3000 | 153PPS302KG | 1500 | 2.5 | 39 | 16x29 |
| 0.022 | 2000 | 223PPS202KG | 810 | 2.5 | 33 | 12x29 |
| 0.022 | 2500 | 223PPS252KG | 1050 | 2.5 | 30.5 | 15x29 |
| 0.022 | 3000 | 223PPS302K | 1200 | 3 | 31.5 | 15.5x34 |
| 0.033 | 1500 | 333PPS152KG | 610 | 3 | 26 | 11.5x29 |
| 0.033 | 2000 | 333PPS202K | 810 | 4 | 24.5 | 13.5x29 |
| 0.033 | 2500 | 333PPS252K | 870 | 3 | 26 | 13.5x34 |
| 0.033 | 2500 | 333PPS252KG | 1050 | 3 | 22.5 | 17.5x29 |
| 0.033 | 3000 | 333PPS302KG | 1200 | 4 | 22 | 18x34 |
| 0.047 | 1200 | 473PPS122KG | 480 | 2.5 | 20.5 | 11x29 |
| 0.047 | 1500 | 473PPS152KG | 610 | 3 | 19.5 | 13x29 |
| 0.047 | 2000 | 473PPS202K | 650 | 3 | 20.5 | 13x34 |
| 0.047 | 2000 | 473PPS202KG | 810 | 3.5 | 18.5 | 15.5x29 |
| 0.047 | 2500 | 473PPS252K | 870 | 4 | 19.1 | 15.5x34 |
| 0.047 | 3000 | 473PPS302K | 1200 | 5 | 16 | 21x34 |
| 0.068 | 1000 | 683PPS102KG | 425 | 3 | 16.7 | 11.5x29 |
| 0.068 | 1200 | 683PPS122KG | 480 | 3 | 15.8 | 12.5x29 |
| 0.068 | 1500 | 683PPS152KG | 610 | 3.5 | 14.5 | 14.5x29 |
| 0.068 | 1500 | 683PPS152KJ | 490 | 3.5 | 16.1 | 12.5x34 |
| 0.068 | 2000 | 683PPS202K | 650 | 4 | 15 | 15x34 |
| 0.068 | 2000 | 683PPS202KG | 810 | 4.5 | 13.8 | 17.5x29 |
| 0.068 | 2500 | 683PPS252K | 870 | 5 | 14.5 | 18x34 |
| 0.068 | 3000 | 683PPS302K | 1200 | 7 | 12 | 25x34 |
| 0.068 | 3000 | 683PPS302KD20 | 750 | 6 | 15 | 20x46 |
| 0.1 | 850 | 104PPS850KG | 375 | 3.5 | 12.9 | 11.5x29 |
| 0.1 | 1000 | 104PPS102KG | 425 | 3.5 | 12.4 | 13x29 |
| 0.1 | 1200 | 104PPS122KG | 480 | 4.5 | 12 | 14.5x29 |
| 0.1 | 1200 | 104PPS122KJ | 390 | 4 | 13.5 | 12.5x34 |
| 0.1 | 1500 | 104PPS152K | 490 | 4.5 | 12 | 14.5x34 |
| 0.1 | 1500 | 104PPS152KG | 610 | 5 | 10.9 | 17.5x29 |
| 0.1 | 2000 | 104PPS202K | 650 | 5.5 | 11.6 | 17.5x34 |
| 0.1 | 2500 | 104PPS252K | 870 | 7 | 11 | 22x34 |
| 0.1 | 2500 | 104PPS252KD17 | 550 | 6 | 14.2 | 17.5x46 |
| 0.1 | 3000 | 104PPS302K | 750 | 7.5 | 11 | 23.5x46 |
| 0.15 | 700 | 154PPS700KG | 235 | 3.5 | 11 | 11.5x29 |
| 0.15 | 850 | 154PPS850K | 300 | 4.5 | 10.8 | 12x34 |
| 0.15 | 850 | 154PPS850KG | 375 | 4.5 | 9.8 | 13x29 |
| 0.15 | 1000 | 154PPS102KG | 425 | 5 | 9.3 | 15x29 |
| 0.15 | 1000 | 154PPS102KJ | 340 | 4.5 | 10.3 | 13x34 |
| 0.15 | 1200 | 154PPS122K | 390 | 5 | 9.8 | 14.5x34 |
| 0.15 | 1200 | 154PPS122KG | 485 | 5.5 | 8.8 | 17x29 |
| 0.15 | 1500 | 154PPS152K | 490 | 6 | 8.7 | 17.5x34 |
| 0.15 | 2000 | 154PPS202K | 650 | 7.5 | 8.2 | 21.5x34 |
| 0.15 | 2000 | 154PPS202KD17 | 410 | 6.5 | 10 | 17.5x46 |
| 0.15 | 2500 | 154PPS252K | 870 | 8.5 | 7.6 | 26x34 |
| 0.15 | 2500 | 154PPS252KD21 | 550 | 7.5 | 9.3 | 21.5x46 |
| 0.15 | 3000 | 154PPS302K | 750 | 10 | 8.0 | 28.5x46 |
| 0.22 | 700 | 224PPS700KG | 235 | 4.5 | 8.7 | 13x29 |

| Capacitance (µF) | WVDC | IC PART NUMBER | dv/dt (v/µs) | Maximum RMS Current @100 kHz, +70°C in Amps | Typical ESR @100 kHz, +25°C in mΩ | Dimensions DxL (mm) |
|------------------|------|----------------|--------------|---|-----------------------------------|---------------------|
| 0.22 | 850 | 224PPS850K | 300 | 5.5 | 8.4 | 13.5x34 |
| 0.22 | 850 | 224PPS850KG | 375 | 5.5 | 7.7 | 15x29 |
| 0.22 | 1000 | 224PPS102K | 340 | 6 | 7.7 | 15x34 |
| 0.22 | 1000 | 224PPS102KG | 425 | 6.5 | 7 | 17x29 |
| 0.22 | 1200 | 224PPS122K | 390 | 6 | 7.1 | 17x34 |
| 0.22 | 1500 | 224PPS152K | 490 | 8 | 6.5 | 20.5x34 |
| 0.22 | 1500 | 224PPS152KD17 | 320 | 7.5 | 8.5 | 17x46 |
| 0.22 | 2000 | 224PPS202K | 650 | 9.5 | 5.7 | 25.5x34 |
| 0.22 | 2000 | 224PPS202KD21 | 410 | 9 | 7.2 | 21x46 |
| 0.22 | 2500 | 224PPS252K | 550 | 10 | 6.8 | 25x46 |
| 0.22 | 3000 | 224PPS302K | 750 | 13 | 6 | 34x46 |
| 0.22 | 3000 | 224PPS302KD29 | 500 | 12 | 6.8 | 29x55 |
| 0.22 | 3000 | 224PPS302KS | 370 | 11 | 7.7 | 27.5x59 |
| 0.33 | 700 | 334PPS700KG | 235 | 5.5 | 6.7 | 15x29 |
| 0.33 | 700 | 334PPS700KJ | 185 | 5.5 | 7.4 | 13x34 |
| 0.33 | 850 | 334PPS850K | 300 | 7 | 6.6 | 16x34 |
| 0.33 | 850 | 334PPS850KG | 375 | 7 | 5.9 | 17.5x29 |
| 0.33 | 1000 | 334PPS102K | 340 | 7.5 | 5.8 | 17.5x34 |
| 0.33 | 1200 | 334PPS122K | 390 | 8.5 | 5.3 | 20.5x34 |
| 0.33 | 1200 | 334PPS122KD17 | 255 | 8 | 6.7 | 17x46 |
| 0.33 | 1500 | 334PPS152K | 490 | 10 | 4.8 | 24.5x34 |
| 0.33 | 1500 | 334PPS152KD20 | 320 | 9 | 6.4 | 20.5x46 |
| 0.33 | 2000 | 334PPS202K | 410 | 11.5 | 5.5 | 25x46 |
| 0.33 | 2500 | 334PPS252K | 550 | 13 | 5.2 | 30x46 |
| 0.33 | 2500 | 334PPS252KD26 | 375 | 12 | 6.3 | 26x55 |
| 0.33 | 2500 | 334PPS252KS | 280 | 11 | 7.3 | 25x59 |
| 0.33 | 3000 | 334PPS302K | 500 | 14 | 5.5 | 34x55 |
| 0.33 | 3000 | 334PPS302KS | 370 | 14 | 6.2 | 32.5x59 |
| 0.47 | 700 | 474PPS700KG | 235 | 7 | 5.3 | 17.5x29 |
| 0.47 | 700 | 474PPS700K | 185 | 6.5 | 5.9 | 15x34 |
| 0.47 | 850 | 474PPS850K | 300 | 9 | 5.4 | 18.5x34 |
| 0.47 | 1000 | 474PPS102K | 340 | 9.5 | 4.6 | 21x34 |
| 0.47 | 1000 | 474PPS102KD17 | 225 | 9 | 5.8 | 17.5x46 |
| 0.47 | 1200 | 474PPS122K | 390 | 10.5 | 3.7 | 23.5x34 |
| 0.47 | 1200 | 474PPS122KD20 | 255 | 9.5 | 5.6 | 20x46 |
| 0.47 | 1500 | 474PPS152K | 320 | 11.5 | 5.1 | 24x46 |
| 0.47 | 2000 | 474PPS202K | 410 | 13.5 | 4.5 | 29x46 |
| 0.47 | 2500 | 474PPS252KS | 280 | 13.5 | 5.8 | 29.5x59 |
| 0.47 | 2500 | 474PPS252K | 550 | 14 | 4.2 | 35.5x46 |
| 0.47 | 2500 | 474PPS252KD30 | 375 | 14 | 5.1 | 30.5x55 |
| 0.47 | 3000 | 474PPS302KS | 370 | 14 | 5.5 | 39x59 |
| 0.47 | 3000 | 474PPS302K | 500 | 14 | 4.9 | 41x55 |
| 0.56 | 3000 | 564PPS302KS | 370 | 14 | 5.1 | 42x59 |
| 0.68 | 700 | 684PPS700K | 185 | 8 | 4.9 | 17.5x34 |
| 0.68 | 850 | 684PPS850K | 300 | 10 | 4.3 | 21.5x34 |
| 0.68 | 850 | 684PPS850KD18 | 200 | 9 | 5.4 | 18x46 |
| 0.68 | 1000 | 684PPS102K | 340 | 10.5 | 3.9 | 24.5x34 |
| 0.68 | 1000 | 684PPS102KD20 | 225 | 10.5 | 4.9 | 20.5x46 |
| 0.68 | 1200 | 684PPS122K | 255 | 10.5 | 4.9 | 23x46 |
| 0.68 | 1500 | 684PPS152K | 320 | 13.5 | 4.4 | 28x46 |
| 0.68 | 2000 | 684PPS202K | 410 | 14 | 3.7 | 34.5x46 |
| 0.68 | 2000 | 684PPS202KR | 300 | 14 | 4.7 | 30x55 |
| 0.68 | 2000 | 684PPS202KS | 225 | 14 | 5.4 | 28.5x59 |
| 0.68 | 2500 | 684PPS202KD30 | 300 | 14 | 4.7 | 30x55 |

PPS

Metallized Polypropylene
Film Capacitor for
Power Semiconductor
Circuits

STANDARD PART LISTING

| Capacitance (µF) | VVDC | IC PART NUMBER | dv/dt (v/µs) | Maximum RMS Current @100 kHz, +70°C in Amps | Typical ESR @100 kHz, +25°C in mΩ | Dimensions DxL (mm) |
|------------------|------|----------------|--------------|---|-----------------------------------|---------------------|
| 0.68 | 2500 | 684PPS252K | 375 | 14 | 4.2 | 35.5x55 |
| 0.68 | 2500 | 684PPS252KS | 280 | 14 | 4.8 | 35x59 |
| 0.82 | 2500 | 824PPS252KS | 280 | 14 | 4.2 | 38.5x59 |
| 0.82 | 2500 | 824PPS252K | 375 | 14 | 3.7 | 40x55 |
| 1 | 700 | 105PPS700K | 185 | 10 | 4.1 | 21x34 |
| 1 | 700 | 105PPS700KD17 | 130 | 10 | 4.8 | 17.5x46 |
| 1 | 850 | 105PPS850K | 300 | 13 | 3.3 | 26x34 |
| 1 | 850 | 105PPS850KD21 | 200 | 10.5 | 4.3 | 21.5x46 |
| 1 | 1000 | 105PPS102K | 225 | 13 | 3.9 | 24.5x46 |
| 1 | 1200 | 105PPS122K | 255 | 13.5 | 4.1 | 27.5x46 |
| 1 | 1500 | 105PPS152K | 320 | 14 | 3.3 | 33.5x46 |
| 1 | 1500 | 105PPS152KD29 | 235 | 14 | 4.5 | 29x55 |
| 1 | 1500 | 105PPS152KS | 175 | 13.5 | 5.1 | 28x59 |
| 1 | 2000 | 105PPS202K | 300 | 14 | 3.8 | 35.5x55 |
| 1 | 2000 | 105PPS202KS | 225 | 14 | 4.3 | 33.5x59 |
| 1 | 2500 | 105PPS252KS | 280 | 14 | 3.9 | 42x59 |
| 1.2 | 1200 | 125PPS122K | 255 | 14 | 3.7 | 30x46 |
| 1.2 | 1500 | 125PPS152K | 235 | 14 | 4 | 31.5x55 |
| 1.2 | 1500 | 125PPS152KS | 175 | 14 | 4.5 | 30x59 |
| 1.3 | 2000 | 135PPS202K | 300 | 14 | 3.3 | 40.5x55 |
| 1.3 | 2000 | 135PPS202KS | 225 | 14 | 3.7 | 38x59 |
| 1.5 | 700 | 155PPS700K | 185 | 10.5 | 3.5 | 25x34 |
| 1.5 | 700 | 155PPS700KD21 | 130 | 10.5 | 4.3 | 21x46 |
| 1.5 | 850 | 155PPS850K | 200 | 14 | 3.5 | 25.5x46 |
| 1.5 | 1000 | 155PPS102K | 225 | 14 | 3.1 | 29.5x46 |
| 1.5 | 1000 | 155PPS102KD25 | 165 | 14 | 4.1 | 25.5x55 |
| 1.5 | 1000 | 155PPS102KS | 135 | 13 | 4.7 | 24.5x59 |
| 1.5 | 1200 | 155PPS122K | 255 | 14 | 3.2 | 33.5x46 |
| 1.5 | 1200 | 155PPS122KD29 | 190 | 14 | 3.7 | 29x55 |
| 1.5 | 1200 | 155PPS122KS | 150 | 14 | 4.2 | 27x59 |
| 1.5 | 1500 | 155PPS152K | 235 | 14 | 3.5 | 35.5x55 |
| 1.5 | 1500 | 155PPS152KS | 175 | 14 | 3.9 | 33.5x59 |
| 1.5 | 2000 | 155PPS202KS | 225 | 14 | 3.5 | 40.5x59 |
| 2 | 700 | 205PPS700KN | 130 | 10.5 | 4.0 | 24x46 |
| 2 | 850 | 205PPS850K | 200 | 14 | 2.9 | 29x46 |
| 2 | 1000 | 205PPS102K | 225 | 14 | 2.6 | 33x46 |
| 2 | 1000 | 205PPS102KD29 | 165 | 14 | 3.5 | 29x55 |
| 2 | 1000 | 205PPS102KS | 135 | 14 | 3.9 | 27.5x59 |
| 2 | 1200 | 205PPS122K | 190 | 14 | 3.2 | 33x55 |
| 2 | 1200 | 205PPS122KS | 150 | 14 | 3.6 | 31x59 |
| 2 | 1500 | 205PPS152K | 235 | 14 | 3.0 | 40.5x55 |
| 2 | 1500 | 205PPS152KS | 175 | 14 | 3.3 | 38x59 |
| 2.2 | 700 | 225PPS700K | 130 | 10.5 | 3.9 | 25x46 |
| 2.2 | 850 | 225PPS850K | 200 | 14 | 2.9 | 30x46 |
| 2.2 | 850 | 225PPS850KR | 125 | 14 | 3.8 | 26.5x55 |
| 2.2 | 850 | 225PPS850KS | 110 | 14 | 4.3 | 25x59 |
| 2.2 | 1000 | 225PPS102K | 165 | 14 | 3.4 | 30.5x55 |
| 2.2 | 1000 | 225PPS102KS | 135 | 14 | 3.8 | 28.5x59 |
| 2.2 | 1200 | 225PPS122K | 190 | 14 | 3.0 | 34.5x55 |
| 2.2 | 1200 | 225PPS122KS | 150 | 14 | 3.4 | 32.5x59 |

| Capacitance (µF) | VVDC | IC PART NUMBER | dv/dt (v/µs) | Maximum RMS Current @100 kHz, +70°C in Amps | Typical ESR @100 kHz, +25°C in mΩ | Dimensions DxL (mm) |
|------------------|------|----------------|--------------|---|-----------------------------------|---------------------|
| 2.2 | 1500 | 225PPS152KR | 235 | 14 | 2.9 | 41.5x55 |
| 2.2 | 1500 | 225PPS152KS | 175 | 14 | 3.2 | 40x59 |
| 2.5 | 700 | 255PPS700K | 130 | 14 | 3.5 | 26.5x46 |
| 2.5 | 850 | 255PPS850K | 200 | 14 | 2.7 | 32x46 |
| 2.5 | 850 | 255PPS850KD28 | 125 | 14 | 3.6 | 28x55 |
| 2.5 | 850 | 255PPS850KS | 110 | 14 | 4.1 | 26.5x59 |
| 2.5 | 1000 | 255PPS102K | 165 | 14 | 3.1 | 33x55 |
| 2.5 | 1000 | 255PPS102KS | 135 | 14 | 3.5 | 31x59 |
| 2.5 | 1200 | 255PPS122K | 190 | 14 | 2.7 | 36.5x55 |
| 2.5 | 1200 | 255PPS122KS | 150 | 14 | 3.0 | 34.5x59 |
| 3 | 700 | 305PPS700KN | 130 | 14 | 3.3 | 29x46 |
| 3 | 850 | 305PPS850K | 200 | 14 | 2.4 | 34.5x46 |
| 3 | 850 | 305PPS850KD30 | 125 | 14 | 3.2 | 30.5x55 |
| 3 | 850 | 305PPS850KS | 110 | 14 | 3.6 | 29x59 |
| 3 | 1000 | 305PPS102KR | 165 | 14 | 2.8 | 35.5x55 |
| 3 | 1000 | 305PPS102KS | 135 | 14 | 3.1 | 33x59 |
| 3 | 1200 | 305PPS122K | 190 | 14 | 2.4 | 40x55 |
| 3 | 1200 | 305PPS122KS | 150 | 14 | 2.7 | 37.5x59 |
| 3.3 | 700 | 335PPS700KS | 90 | 13.5 | 4.4 | 25x59 |
| 3.3 | 700 | 335PPS700K | 130 | 14 | 3.1 | 30x46 |
| 3.3 | 700 | 335PPS700KD26 | 110 | 14 | 3.9 | 26.5x55 |
| 3.3 | 850 | 335PPS850KS | 110 | 14 | 3.5 | 30x59 |
| 3.3 | 850 | 335PPS850K | 125 | 14 | 3.1 | 32x55 |
| 3.3 | 1000 | 335PPS102KS | 135 | 14 | 3.0 | 34.5x59 |
| 3.3 | 1000 | 335PPS102K | 165 | 14 | 2.7 | 36.5x55 |
| 3.3 | 1200 | 335PPS122KS | 150 | 14 | 2.6 | 39x59 |
| 3.3 | 1200 | 335PPS122K | 190 | 14 | 2.3 | 41.5x55 |
| 4 | 700 | 405PPS700K | 130 | 14 | 2.8 | 32.5x46 |
| 4 | 700 | 405PPS700KD28 | 110 | 14 | 3.6 | 28.5x55 |
| 4 | 700 | 405PPS700KS | 90 | 14 | 4.1 | 27x59 |
| 4 | 850 | 405PPS850K | 125 | 14 | 2.8 | 35x55 |
| 4 | 850 | 405PPS850KS | 110 | 14 | 3.1 | 33x59 |
| 4 | 1000 | 405PPS102K | 165 | 14 | 2.4 | 40x55 |
| 4 | 1000 | 405PPS102KS | 135 | 14 | 2.7 | 38x59 |
| 4.7 | 700 | 475PPS700K | 110 | 14 | 3.3 | 31x55 |
| 4.7 | 700 | 475PPS700KS | 90 | 14 | 3.7 | 29x59 |
| 4.7 | 850 | 475PPS850K | 125 | 14 | 2.5 | 37x55 |
| 4.7 | 850 | 475PPS850KS | 110 | 14 | 2.8 | 35.5x59 |
| 4.7 | 1000 | 475PPS102KS | 135 | 14 | 2.4 | 40.5x59 |
| 5 | 700 | 505PPS700K | 110 | 14 | 3.2 | 32x55 |
| 5 | 700 | 505PPS700KS | 90 | 14 | 3.6 | 30x59 |
| 5 | 850 | 505PPS850K | 125 | 14 | 2.4 | 38x55 |
| 5 | 850 | 505PPS850KS | 110 | 14 | 2.7 | 36.5x59 |
| 6.8 | 700 | 685PPS700K | 110 | 14 | 2.7 | 37x55 |
| 6.8 | 700 | 685PPS700KS | 90 | 14 | 3.1 | 34.5x59 |
| 6.8 | 850 | 685PPS850LS | 110 | 14 | 2.3 | 41.5x59 |
| 8.2 | 700 | 825PPS700K | 110 | 14 | 2.4 | 40.5x55 |
| 8.2 | 700 | 825PPS700KS | 90 | 14 | 2.7 | 38x59 |
| 10 | 700 | 106PPS700KS | 90 | 14 | 2.5 | 41.5x59 |



ILLINOIS CAPACITOR, INC.

3757 W. Touhy Ave., Lincolnwood, IL 60712 • (847) 675-1760 • Fax (847) 673-2850 • www.illcap.com