

# 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<br>Not to exceed 30,000MΩ  |      |                               |         |      |      |         |      |
| Dielectric Strength   |      | 200% of rated VDC for 10 seconds at 20°C between leads<br>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)<br>with epoxy end fills (UL 94V-0)                               |      |                               |         |      |      |         |      |

## PHYSICAL DIMENSIONS

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

Convert to inches, divide by 25.4

DxL (mm)



# PPS

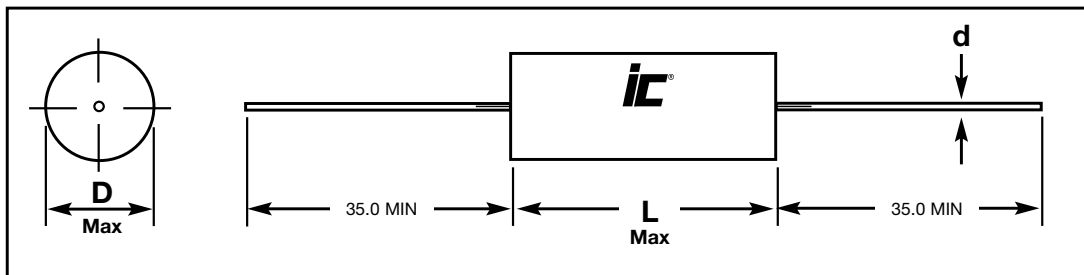
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## PHYSICAL DIMENSIONS

| $\mu\text{F}$ \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<br>28x55            | 31x59<br>33x55     | 34.5x59<br>36.5x55 |            |            |            |            |
| 3                                 | 29x46                       | 29x59<br>30.5x55<br>34.5x46 | 33x59<br>35.5x55   | 37.5x59<br>40x55   |            |            |            |            |
| 3.3                               | 25x59<br>26.5x55<br>30x46   | 30x59<br>32x55              | 34.5x59<br>36.5x55 | 39x59<br>41.5x55   |            |            |            |            |
| 4                                 | 27x59<br>28.5x55<br>32.5x46 | 33x59<br>35x55              | 38x59<br>40x55     |                    |            |            |            |            |
| 4.7                               | 29x59<br>31x55              | 35.5x59<br>37x55            | 40.5x59            |                    |            |            |            |            |
| 5                                 | 30x59<br>32x55              | 36.5x59<br>38x55            |                    |                    |            |            |            |            |
| 5.6                               | →                           | 40.5x55                     |                    |                    |            |            |            |            |
| 6.8                               | 34.5x59<br>37x55            | 41.5x59                     |                    |                    |            |            |            |            |
| 8.2                               | 38x59<br>40.5x55            |                             |                    |                    |            |            |            |            |
| 10                                | 41.5x59                     |                             |                    |                    |            |            |            |            |

Convert to inches, divide by 25.4

DxL (mm)



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

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## 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               |



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## 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             |



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