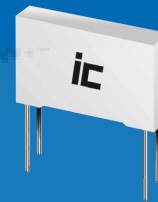


# PSB/ RSB

查询"564PSB202K4J"供应商

## Radial Leaded Polypropylene Film Capacitors with Double Sided Metallized Electrodes



### APPLICATION

■ Snubber  
■ IGBT Modules

■ Energy Conversion  
■ Power Semiconductor Circuits

### FEATURES

■ High Current  
■ High Voltage

■ Multiple Lead Styles  
■ High Pulse

### SPECIFICATIONS

|                                                                        |      |                                                                                             |                |                |                |                                                |                |      |                |
|------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------|----------------|----------------|----------------|------------------------------------------------|----------------|------|----------------|
| Operating Temperature Range                                            |      | PSB: -40°C to +85°C (+100°C observing voltage and current de-rating)<br>RSB: -40°C to +85°C |                |                |                |                                                |                |      |                |
| Capacitance Tolerance                                                  |      | ±10% at 1kHz, 25°C<br>±5% optional                                                          |                |                |                |                                                |                |      |                |
| Surge/AC Voltage (RMB)                                                 | WVDC | 700                                                                                         | 850            | 1000           | 1200           | 1500                                           | 2000           | 2500 | 3000           |
|                                                                        | SVDC | 1100                                                                                        | 1300<br>(1200) | 1550<br>(1300) | 1750<br>(1600) | 2200                                           | 2600<br>(2400) | 3300 | 4000<br>(3500) |
|                                                                        | VAC  | 420                                                                                         | 500            | 575            | 630            | 650                                            | 700            | 725  | 750            |
|                                                                        |      | For T>+85°C the rated voltage must be de-rated by 1.25%/°C                                  |                |                |                |                                                |                |      |                |
| Dissipation Factor (tan δ)<br>@1kHz, 25°C                              |      | C≤1.0μF                                                                                     | C>1.0μF        |                |                |                                                |                |      |                |
|                                                                        |      | .05%                                                                                        | .06%           |                |                |                                                |                |      |                |
| Insulation Resistance<br>@20°C (<70% RH)for 1 minute at 100VDC applied |      | 30000MΩ x μF<br>(Not to exceed 30GΩ)                                                        |                |                |                |                                                |                |      |                |
| Self Inductance                                                        |      | <1 nano-Henry per mm of lead spacing and lead length                                        |                |                |                |                                                |                |      |                |
| Dielectric Strength                                                    |      | Terminal to Terminal                                                                        |                |                |                | Terminal to Case                               |                |      |                |
|                                                                        |      | 160% of VDC applied for 10 Seconds and 25°C<br>200% of VDC applied for 2 Seconds and 25°C   |                |                |                | 3KVAC @ 50/60Hz applied for 60 Seconds at 25°C |                |      |                |
| Peak Current                                                           |      | 1.5xCxdv/dt                                                                                 |                |                |                |                                                |                |      |                |
| Life Expectancy                                                        |      | ≥100000 hours for WVDC,<br>≥30000 hours for VAC at 70°C                                     |                |                |                |                                                |                |      |                |
| Failure Quota                                                          |      | 300/1x10 <sup>9</sup> component hours                                                       |                |                |                |                                                |                |      |                |
| Long Term Stability                                                    |      | <1% after 2 years at standard environmental conditions                                      |                |                |                |                                                |                |      |                |
| Construction                                                           |      | Double Metallized film with polypropylene film and internal series connections              |                |                |                |                                                |                |      |                |
| Coating                                                                |      | Flame retardant plastic box with epoxy end fill (UL94V-0)                                   |                |                |                |                                                |                |      |                |
| Lead Terminations                                                      |      | Lead free tinned copper leads (RoHS compliant)                                              |                |                |                |                                                |                |      |                |



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Polypropylene Film  
Capacitors with Double  
Sided Metallized Electrodes

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## PHYSICAL DIMENSIONS

| WVDC<br>(VAC)<br>(μF) | 700<br>(420)           | 850<br>(500)           | 1000<br>(575)            | 1200<br>(630)            | 1500<br>(650)           | 2000<br>(700)                      | 2500<br>(725)          | 3000<br>(750)            |
|-----------------------|------------------------|------------------------|--------------------------|--------------------------|-------------------------|------------------------------------|------------------------|--------------------------|
| 0.0047                |                        |                        |                          |                          |                         |                                    | →                      | 26.5x16x7                |
| 0.0068                |                        |                        |                          |                          |                         | →                                  | 26.5x16x7              | 26.5x17x8.5              |
| 0.01                  |                        |                        |                          |                          |                         | →                                  | 26.5x17x8.5            | 26.5x20x11<br>32x20x11   |
| 0.015                 |                        |                        |                          |                          | →                       | 26.5x16x7                          | 26.5x18.5x10           | 26.5x22x13<br>32x20x11   |
| 0.022                 |                        |                        |                          | →                        | 26.5x16x7               | 26.5x17x8.5                        | 26.5x22x13<br>32x20x11 | 32x22x13                 |
| 0.033                 |                        |                        | →                        | 26.5x16x7                | 26.5x17x8.5             | 26.5x20x11<br>32x20x11             | 32x22x13               | 32x24.5x15               |
| 0.047                 |                        | →                      | 26.5x16x7                | 26.5x17x8.5              | 26.5x18.5x10<br>32x17x9 | 26.5x22x33<br>32x20x11             | 32x24.5x15             | 32x33x18                 |
| 0.068                 | →                      | 26.5x16x7              | 26.5x17x8.5              | 26.5x18.5x10<br>32x17x9  | 32x22x13<br>32x20x11    | 32x22x13                           | 32x33x18               | 32x37x22<br>42.5x28x17   |
| 0.1                   | 26.5x16x7              | 26.5x18.5x10           | 26.5x20x11<br>32x17x9    | 26.5x22x13<br>32x20x11   | 32x22x13                | 32x24.5x15                         | 32x33x18<br>42.5x28x17 | 32x33x18<br>42.5x30x22   |
| 0.15                  | 26.5x18.5x10           | 26.5x20x11<br>32x20x11 | 26.5x22x13<br>32x20x11   | 32x22x13                 | 32x24.5x15              | 32x33x18<br>42.5x28x17             | 42.5x30x22             | 32x37x22<br>42.5x37x28   |
| 0.22                  | 26.5x20x11<br>32x20x11 | 32x22x13               | 32x22x13                 | 32x24.5x15               | 32x33x18<br>42.5x28x17  | 32x33x18<br>32x37x22<br>42.5x30x22 | 42.5x37x28             | 42.5x37x28<br>42.5x45x30 |
| 0.33                  | 32x22x13               | 32x24.5x15             | 32x28x14                 | 32x33x18<br>42.5x28x17   | 32x37x22<br>42.5x30x22  | 42.5x30x22<br>42.5x37x28           | 42.5x45x30             | 42.5x45x30<br>57.5x45x30 |
| 0.39                  |                        |                        |                          |                          |                         | →                                  | 42.5x45x30             |                          |
| 0.47                  | 32x24.4x15             | 32x33x18               | 32x33x18<br>42.5x26x17   | 32x37x22<br>42.5x30x22   | 42.5x37x28              | 42.5x33.5x22<br>42.5x37x28         | 57.5x45x30             | 57.5x45x30<br>57.5x50x35 |
| 0.56                  |                        |                        |                          |                          | →                       | 42.5x45x30                         | 57.5x45x30             |                          |
| 0.68                  | 32x33x18               | 32x37x22<br>42.5x28x17 | 42.5x30x22               | 42.5x37x28               | 42.5x37x28              | 42.5x37x28<br>57.5x45x30           | 57.5x50x35             | 57.5x50x35               |
| 0.82                  |                        |                        |                          |                          | →                       | 57.5x45x35                         | 57.5x50x35             | 57.5x50x35               |
| 1                     | 32x37x22<br>42.5x28x17 | 42.5x30x22             | 42.5x30x22<br>42.5x37x28 | 42.5x37x28               | 42.5x45x30              | 42.5x45x30<br>57.5x50x35           |                        |                          |
| 1.2                   |                        |                        | →                        | 42.5x37x28<br>42.5x45x30 | 57.5x45x30              | 57.5x45x30<br>57.5x50x35           |                        |                          |
| 1.5                   | 42.5x30x22             | 42.5x37x28             | 42.5x45x30               | 42.5x45x30               | 57.5x50x35              | 57.5x50x35                         |                        |                          |
| 1.8                   |                        |                        |                          | →                        | 57.5x50x35              |                                    |                        |                          |
| 2                     | 42.5x37x28             | 42.5x45x30             | 42.5x45x30<br>57.5x45x30 | 57.5x45x30               |                         |                                    |                        |                          |
| 2.2                   | 42.5x37x28             | 42.5x45x30             | 42.5x45x30<br>57.5x45x30 | 57.5x45x30<br>57.5x50x35 |                         |                                    |                        |                          |

Convert to inches divide by 25.4

LxHxT (mm)



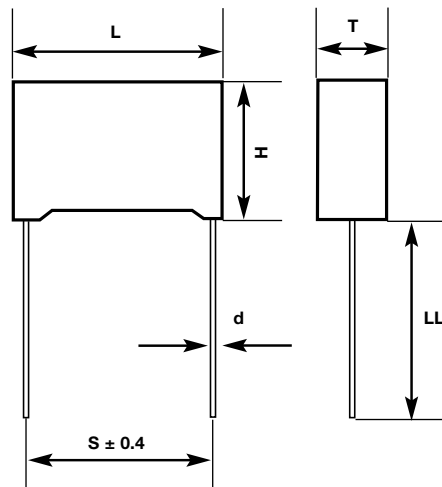
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## PHYSICAL DIMENSIONS

| WVDC<br>(VAC)<br>( $\mu$ F) | 700<br>(420) | 850<br>(500) | 1000<br>(575)            | 1200<br>(630)            | 1500<br>(650) | 2000<br>(700) | 2500<br>(725) | 3000<br>(750) |
|-----------------------------|--------------|--------------|--------------------------|--------------------------|---------------|---------------|---------------|---------------|
| 2.5                         | →            | 57.5x45x30   | →                        | 57.5x45x30<br>57.5x50x35 |               |               |               |               |
| 3                           | 42.5x45x30   | 57.5x45x30   | 57.5x45x30<br>57.5x50x35 |                          |               |               |               |               |
| 3.3                         | 42.5x45x30   | 57.5x45x30   | 57.5x45x30<br>57.5x50x35 | 57.5x50x35               |               |               |               |               |
| 4                           | 57.5x45x30   | 57.5x50x35   | 57.5x50x35               |                          |               |               |               |               |
| 4.7                         | 57.5x50x35   | 57.5x50x35   | 57.5x50x35               |                          |               |               |               |               |
| 5                           | 57.5x50x35   |              |                          |                          |               |               |               |               |
| 5.6                         | 57.5x50x35   |              |                          |                          |               |               |               |               |

Convert to inches divide by 25.4

LxHxT (mm)



| WVDC | ALL  | ≤850 | 850<V<2000 |       | V>2500 |      | ALL  | ALL  |
|------|------|------|------------|-------|--------|------|------|------|
| L    | 26.5 | 32   | 32         |       | 32     | 32   | 42.5 | 57.5 |
| H    | ALL  | 20   | 22, 24.5   | >24.5 | 33     | >33  | ALL  | ALL  |
| T    | ALL  | ALL  | ≤15        | >15   | 18     | >18  | ALL  | ALL  |
| S    | 22.5 | 27.5 | 27.5       | 27.5  | 27.5   | 27.5 | 37.5 | 52.5 |
| d    | 0.8  | 0.8  | 1.0        | 1.2   | 1.0    | 1.2  | 1.2  | 1.2  |

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## STANDARD PARTS LISTING

| Capacitance<br>( $\mu$ F) | WVDC | IC <sup>®</sup> PART<br>NUMBER | dv/dt<br>(V/ $\mu$ s) | Maximum<br>RMS Current<br>@100kHz,<br>70°C in Amps | Typical<br>ESR<br>@100 kHz,<br>+25°C in m $\Omega$ | Dimensions<br>LxHxT<br>(mm) |
|---------------------------|------|--------------------------------|-----------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------|
| 0.0047                    | 3000 | 472PSB302K2G                   | 3400                  | 1.5                                                | 87                                                 | 26.5x16x7                   |
| 0.0068                    | 2500 | 682PSB252K2G                   | 2650                  | 1.5                                                | 68                                                 | 26.5x16x7                   |
| 0.0068                    | 3000 | 682PSB302K2G                   | 3400                  | 2                                                  | 64                                                 | 26.5x17x8.5                 |
| 0.01                      | 2500 | 103PSB252K2G                   | 2650                  | 2                                                  | 51                                                 | 26.5x17x8.5                 |
| 0.01                      | 3000 | 103PSB302K2G                   | 3400                  | 2.5                                                | 45.7                                               | 26.5x20x11                  |
| 0.01                      | 3000 | 103PSB302K2H                   | 2750                  | 2.5                                                | 54                                                 | 32x20x11                    |
| 0.015                     | 2000 | 153PSB202K2G                   | 2150                  | 2                                                  | 37.5                                               | 26.5x16x7                   |
| 0.015                     | 2500 | 153PSB252K2G                   | 2650                  | 2.5                                                | 36                                                 | 26.5x18.5x10                |
| 0.015                     | 3000 | 153PSB302K2G                   | 3400                  | 3                                                  | 33                                                 | 26.5x22x13                  |
| 0.015                     | 3000 | 153PSB302K2H                   | 2750                  | 3                                                  | 38                                                 | 32x20x11                    |
| 0.022                     | 1500 | 223PSB152K2G                   | 1500                  | 2.5                                                | 29.5                                               | 26.5x16x7                   |
| 0.022                     | 2000 | 223PSB202K2G                   | 2150                  | 2.5                                                | 27.5                                               | 26.5x17x8.5                 |
| 0.022                     | 2500 | 223PSB252K2G                   | 2650                  | 3                                                  | 26.5                                               | 26.5x22x13                  |
| 0.022                     | 2500 | 223PSB252K2H                   | 2150                  | 3                                                  | 30.5                                               | 32x20x11                    |
| 0.022                     | 3000 | 223PSB302K2H                   | 2750                  | 4                                                  | 26.5                                               | 32x22x13                    |
| 0.033                     | 1200 | 333PSB122K2G                   | 1300                  | 3                                                  | 23                                                 | 26.5x16x7                   |
| 0.033                     | 1500 | 333PSB152K2G                   | 1500                  | 3                                                  | 21.8                                               | 26.5x17x8.5                 |
| 0.033                     | 2000 | 333PSB202K2G                   | 2150                  | 3.5                                                | 20.5                                               | 26.5x20x11                  |
| 0.033                     | 2000 | 333PSB202K2H                   | 1750                  | 4                                                  | 23.7                                               | 32x20x11                    |
| 0.033                     | 2500 | 333PSB252K2H                   | 2150                  | 4                                                  | 22.5                                               | 32x22x13                    |
| 0.033                     | 3000 | 333PSB302K2H                   | 2750                  | 5                                                  | 19                                                 | 32x24.5x15                  |
| 0.047                     | 1000 | 473PSB102K2G                   | 1000                  | 3                                                  | 18                                                 | 26.5x16x7                   |
| 0.047                     | 1200 | 473PSB122K2G                   | 1300                  | 3.5                                                | 16.9                                               | 26.5x17x8.5                 |
| 0.047                     | 1500 | 473PSB152K2G                   | 1500                  | 3.5                                                | 16.5                                               | 26.5x18.5x10                |
| 0.047                     | 1500 | 473PSB152K2H                   | 1225                  | 3.5                                                | 18.2                                               | 32x17x9                     |
| 0.047                     | 2000 | 473PSB202K2G                   | 2150                  | 4.5                                                | 14.8                                               | 26.5x22x13                  |
| 0.047                     | 2000 | 473PSB202K2H                   | 1750                  | 4.5                                                | 16.8                                               | 32x20x11                    |
| 0.047                     | 2500 | 473PSB252K2H                   | 2150                  | 5.5                                                | 16                                                 | 32x24.5x15                  |
| 0.047                     | 3000 | 473PSB302K2H                   | 2750                  | 7.5                                                | 13.8                                               | 32x33x18                    |
| 0.068                     | 850  | 683PSB850K2G                   | 850                   | 3.5                                                | 13.9                                               | 26.5x16x7                   |
| 0.068                     | 1000 | 683PSB102K2G                   | 1000                  | 3.5                                                | 13.5                                               | 26.5x17x8.5                 |
| 0.068                     | 1200 | 683PSB122K2G                   | 1300                  | 4                                                  | 12.7                                               | 26.5x18.5x10                |
| 0.068                     | 1200 | 683PSB122K2H                   | 1100                  | 4                                                  | 14.3                                               | 32x17x9                     |
| 0.068                     | 1500 | 683PSB152K2G                   | 1500                  | 5                                                  | 12.3                                               | 26.5x22x13                  |
| 0.068                     | 1500 | 683PSB152K2H                   | 1225                  | 5                                                  | 13.8                                               | 32x20x11                    |
| 0.068                     | 2000 | 683PSB202K2H                   | 1750                  | 5.5                                                | 12.1                                               | 32x22x13                    |
| 0.068                     | 2500 | 683PSB252K2H                   | 2150                  | 8                                                  | 11.3                                               | 32x33x18                    |
| 0.068                     | 3000 | 683PSB302K2H                   | 2750                  | 9.5                                                | 10.5                                               | 32x37x22                    |
| 0.068                     | 3000 | 683PSB302K2J                   | 1600                  | 8                                                  | 12.4                                               | 42.5x28x17                  |
| 0.1                       | 700  | 104PSB700K2G                   | 600                   | 3.5                                                | 13                                                 | 26.5x16x7                   |
| 0.1                       | 850  | 104PSB850K2G                   | 850                   | 4.5                                                | 10.4                                               | 26.5x18.5x10                |
| 0.1                       | 1000 | 104PSB102K2G                   | 1000                  | 5                                                  | 9.9                                                | 26.5x20x11                  |
| 0.1                       | 1000 | 104PSB102K2H                   | 850                   | 5                                                  | 11                                                 | 32x17x9                     |
| 0.1                       | 1200 | 104PSB122K2G                   | 1300                  | 5.5                                                | 9.7                                                | 26.5x22x13                  |

| Capacitance<br>( $\mu$ F) | WVDC | IC <sup>®</sup> PART<br>NUMBER | dv/dt<br>(V/ $\mu$ s) | Maximum<br>RMS Current<br>@100kHz,<br>70°C in Amps | Typical<br>ESR<br>@100 kHz,<br>+25°C in m $\Omega$ | Dimensions<br>LxHxT<br>(mm) |
|---------------------------|------|--------------------------------|-----------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------|
| 0.1                       | 1200 | 104PSB122K2H                   | 1100                  | 5.5                                                | 10.6                                               | 32x20x11                    |
| 0.1                       | 1500 | 104PSB152K2H                   | 1225                  | 6.5                                                | 9.5                                                | 32x22x13                    |
| 0.1                       | 2000 | 104PSB202K2H                   | 1750                  | 8                                                  | 8.4                                                | 32x24.5x15                  |
| 0.1                       | 2500 | 104PSB252K2H                   | 2150                  | 10                                                 | 7.6                                                | 32x33x18                    |
| 0.1                       | 2500 | 104PSB252K2J                   | 1350                  | 8.5                                                | 11.8                                               | 42.5x28x17                  |
| 0.1                       | 3000 | 104PSB302K2J                   | 1600                  | 10                                                 | 9.4                                                | 42.5x30x22                  |
| 0.1                       | 3000 | 104RSB302K2H                   | 3350                  | 8                                                  | 12                                                 | 32x33x18                    |
| 0.15                      | 700  | 154PSB700K2G                   | 600                   | 5                                                  | 9.3                                                | 26.5x18.5x10                |
| 0.15                      | 850  | 154PSB850K2G                   | 850                   | 6.5                                                | 7.5                                                | 26.5x20x11                  |
| 0.15                      | 850  | 154PSB850K2H                   | 700                   | 6.5                                                | 8.6                                                | 32x20x11                    |
| 0.15                      | 1000 | 154PSB102K2G                   | 1000                  | 6.5                                                | 7.3                                                | 26.5x22x13                  |
| 0.15                      | 1000 | 154PSB102K2H                   | 850                   | 6.5                                                | 8.2                                                | 32x20x11                    |
| 0.15                      | 1200 | 154PSB122K2H                   | 1100                  | 7                                                  | 7.6                                                | 32x22x13                    |
| 0.15                      | 1500 | 154PSB152K2H                   | 1225                  | 8                                                  | 7.1                                                | 32x24.5x15                  |
| 0.15                      | 2000 | 154PSB202K2H                   | 1750                  | 11                                                 | 6.5                                                | 32x33x18                    |
| 0.15                      | 2000 | 154PSB202K2J                   | 1000                  | 9                                                  | 8                                                  | 42.5x28x17                  |
| 0.15                      | 2500 | 154PSB252K2J                   | 1350                  | 10                                                 | 7.7                                                | 42.5x30x22                  |
| 0.15                      | 3000 | 154PSB302K2J                   | 1600                  | 12                                                 | 6.8                                                | 42.5x37x28                  |
| 0.15                      | 3000 | 154RSB302K2H                   | 3350                  | 10                                                 | 9.5                                                | 32x37x22                    |
| 0.22                      | 700  | 224PSB700K2G                   | 600                   | 6.5                                                | 7                                                  | 26.5x20x11                  |
| 0.22                      | 700  | 224PSB700K2H                   | 485                   | 6.5                                                | 7.8                                                | 32x20x11                    |
| 0.22                      | 850  | 224PSB850K2H                   | 700                   | 8                                                  | 6.4                                                | 32x22x13                    |
| 0.22                      | 1000 | 224PSB102K2H                   | 1300                  | 8.5                                                | 5.7                                                | 32x22x13                    |
| 0.22                      | 1200 | 224PSB122K2H                   | 1100                  | 9                                                  | 5.4                                                | 32x24.5x15                  |
| 0.22                      | 1500 | 224PSB152K2H                   | 1225                  | 12                                                 | 5.1                                                | 32x33x18                    |
| 0.22                      | 1500 | 224PSB152K2J                   | 800                   | 12                                                 | 6.8                                                | 42.5x28x17                  |
| 0.22                      | 2000 | 224PSB202K2H                   | 1750                  | 12                                                 | 5.2                                                | 32x37x22                    |
| 0.22                      | 2000 | 224PSB202K2J                   | 1000                  | 12                                                 | 5.6                                                | 42.5x30x22                  |
| 0.22                      | 2000 | 224RSB202K2H                   | 1900                  | 10.5                                               | 8.2                                                | 32x33x18                    |
| 0.22                      | 2500 | 224PSB252K2J                   | 1350                  | 12                                                 | 5.8                                                | 42.5x37x28                  |
| 0.22                      | 3000 | 224PSB302K2J                   | 1600                  | 12                                                 | 5.2                                                | 42.5x45x30                  |
| 0.22                      | 3000 | 224RSB302K2J                   | 2050                  | 12                                                 | 8.9                                                | 42.5x37x28                  |
| 0.33                      | 700  | 334PSB700K2H                   | 485                   | 8.5                                                | 5.9                                                | 32x22x13                    |
| 0.33                      | 850  | 334PSB850K2H                   | 700                   | 9                                                  | 4.8                                                | 32x24.5x15                  |
| 0.33                      | 1000 | 334PSB102K2H                   | 1300                  | 12                                                 | 4.5                                                | 32x28x14                    |
| 0.33                      | 1200 | 334PSB122K2H                   | 1100                  | 12                                                 | 4.3                                                | 32x33x18                    |
| 0.33                      | 1200 | 334PSB122K2J                   | 650                   | 12                                                 | 5.5                                                | 42.5x28x17                  |
| 0.33                      | 1500 | 334PSB152K2H                   | 1225                  | 12                                                 | 4.1                                                | 32x37x22                    |
| 0.33                      | 1500 | 334PSB152K2J                   | 800                   | 12                                                 | 5.3                                                | 42.5x30x22                  |
| 0.33                      | 2000 | 334PSB202K2J                   | 1000                  | 12                                                 | 4.7                                                | 42.5x37x28                  |
| 0.33                      | 2000 | 334RSB202K2J                   | 1220                  | 11                                                 | 8.2                                                | 42.5x30x22                  |
| 0.33                      | 2500 | 334PSB252K2J                   | 1350                  | 12                                                 | 4.3                                                | 42.5x45x30                  |
| 0.33                      | 3000 | 334PSB302K2R                   | 875                   | 12                                                 | 5.1                                                | 57.5x45x30                  |
| 0.33                      | 3000 | 334RSB302K2J                   | 2050                  | 14                                                 | 6.8                                                | 42.5x45x30                  |



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## STANDARD PARTS LISTING

| Capacitance<br>( $\mu$ F) | WVDC | IC <sup>®</sup> PART<br>NUMBER | dv/dt<br>(V/ $\mu$ s) | Maximum<br>RMS Current<br>@100kHz,<br>70°C in Amps | Typical<br>ESR<br>@100 kHz,<br>+25°C in m $\Omega$ | Dimensions<br>LxHxT<br>(mm) |
|---------------------------|------|--------------------------------|-----------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------|
| 0.39                      | 2500 | 394PSB252K2J                   | 1350                  | 12                                                 | 4.3                                                | 42.5x45x30                  |
| 0.47                      | 700  | 474PSB700K2H                   | 485                   | 9                                                  | 4.6                                                | 32x24.5x15                  |
| 0.47                      | 850  | 474PSB850K2H                   | 700                   | 12                                                 | 3.9                                                | 32x33x18                    |
| 0.47                      | 1000 | 474PSB102K2H                   | 850                   | 12                                                 | 3.7                                                | 32x33x18                    |
| 0.47                      | 1000 | 474PSB102K2J                   | 570                   | 12                                                 | 4.6                                                | 42.5x28x17                  |
| 0.47                      | 1200 | 474PSB122K2H                   | 1100                  | 12                                                 | 3.4                                                | 32x37x22                    |
| 0.47                      | 1200 | 474PSB122K2J                   | 650                   | 12                                                 | 4.8                                                | 42.5x30x22                  |
| 0.47                      | 1500 | 474PSB152K2J                   | 800                   | 12                                                 | 4.4                                                | 42.5x37x28                  |
| 0.47                      | 2000 | 474PSB202K2J                   | 1000                  | 12                                                 | 4                                                  | 42.5x37x28                  |
| 0.47                      | 2000 | 474RSB202K2J                   | 1220                  | 12.5                                               | 6.7                                                | 42.5x33.5x22                |
| 0.47                      | 2500 | 474PSB252K2R                   | 750                   | 12                                                 | 4.6                                                | 57.5x45x30                  |
| 0.47                      | 3000 | 474PSB302K2R                   | 875                   | 12                                                 | 4.5                                                | 57.5x50x35                  |
| 0.47                      | 3000 | 474RSB302K2R                   | 1150                  | 14                                                 | 6.8                                                | 57.5x45x30                  |
| 0.56                      | 2000 | 564PSB202K2J                   | 1000                  | 12                                                 | 3.7                                                | 42.5x45x30                  |
| 0.56                      | 2500 | 564PSB252K2R                   | 750                   | 12                                                 | 4.3                                                | 57.5x45x30                  |
| 0.68                      | 700  | 684PSB700K2H                   | 485                   | 12                                                 | 3.7                                                | 32x33x18                    |
| 0.68                      | 850  | 684PSB850K2H                   | 700                   | 12                                                 | 3.3                                                | 32x37x22                    |
| 0.68                      | 850  | 684PSB850K2J                   | 400                   | 12                                                 | 4.1                                                | 42.5x28x17                  |
| 0.68                      | 850  | 684RSB102K2H                   | 1120                  | 14                                                 | 5                                                  | 32x37x22                    |
| 0.68                      | 1000 | 684PSB102K2J                   | 570                   | 12                                                 | 3.9                                                | 42.5x30x22                  |
| 0.68                      | 1200 | 684PSB122K2J                   | 650                   | 12                                                 | 3.9                                                | 42.5x37x28                  |
| 0.68                      | 1500 | 684PSB152K2J                   | 800                   | 12                                                 | 3.8                                                | 42.5x37x28                  |
| 0.68                      | 2000 | 684PSB202K2R                   | 580                   | 12                                                 | 4.3                                                | 57.5x45x30                  |
| 0.68                      | 2000 | 684RSB202K2J                   | 1220                  | 14                                                 | 5.7                                                | 42.5x37x28                  |
| 0.68                      | 2500 | 684PSB252K2R                   | 750                   | 12                                                 | 4                                                  | 57.5x50x35                  |
| 0.68                      | 3000 | 684RSB302K2R                   | 1150                  | 14                                                 | 5.9                                                | 57.5x50x35                  |
| 0.82                      | 2000 | 824PSB202K2R                   | 580                   | 12                                                 | 3.9                                                | 57.5x45x30                  |
| 0.82                      | 2500 | 824PSB252K2R                   | 750                   | 12                                                 | 3.7                                                | 57.5x50x35                  |
| 0.82                      | 3000 | 824RSB302K2R                   | 1150                  | 14                                                 | 5.4                                                | 57.5x50x35                  |
| 1                         | 700  | 105PSB700K2H                   | 485                   | 12                                                 | 3.2                                                | 32x37x22                    |
| 1                         | 700  | 105PSB700K2J                   | 325                   | 12                                                 | 3.9                                                | 42.5x28x17                  |
| 1                         | 850  | 105PSB850K2J                   | 400                   | 12                                                 | 3.3                                                | 42.5x30x22                  |
| 1                         | 1000 | 105PSB102K2J                   | 570                   | 12                                                 | 3.4                                                | 42.5x37x28                  |
| 1                         | 1000 | 105RSB102K2J                   | 750                   | 13.5                                               | 5                                                  | 42.5x30x22                  |
| 1                         | 1200 | 105PSB122K2J                   | 650                   | 12                                                 | 3.4                                                | 42.5x37x28                  |
| 1                         | 1500 | 105PSB152K2J                   | 800                   | 12                                                 | 3.2                                                | 42.5x45x30                  |
| 1                         | 2000 | 105PSB202K2R                   | 580                   | 12                                                 | 3.6                                                | 57.5x50x35                  |
| 1                         | 2000 | 105RSB202K2J                   | 1220                  | 14                                                 | 4.7                                                | 42.5x45x30                  |
| 1.2                       | 1200 | 125PSB122K2J                   | 650                   | 12                                                 | 3.4                                                | 42.5x45x30                  |
| 1.2                       | 1200 | 125RSB122K2J                   | 870                   | 14                                                 | 4.8                                                | 42.5x37x28                  |
| 1.2                       | 1500 | 125PSB152K2R                   | 500                   | 12                                                 | 3.5                                                | 57.5x45x30                  |

| Capacitance<br>( $\mu$ F) | WVDC | IC <sup>®</sup> PART<br>NUMBER | dv/dt<br>(V/ $\mu$ s) | Maximum<br>RMS Current<br>@100kHz,<br>70°C in Amps | Typical<br>ESR<br>@100 kHz,<br>+25°C in m $\Omega$ | Dimensions<br>LxHxT<br>(mm) |
|---------------------------|------|--------------------------------|-----------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------|
| 1.2                       | 2000 | 125PSB202K2R                   | 580                   | 12                                                 | 3.2                                                | 57.5x50x35                  |
| 1.2                       | 2000 | 125RSB202K2R                   | 870                   | 14                                                 | 5.2                                                | 57.5x45x30                  |
| 1.5                       | 700  | 155PSB700K2J                   | 325                   | 12                                                 | 3.4                                                | 42.5x30x22                  |
| 1.5                       | 850  | 155PSB850K2J                   | 400                   | 12                                                 | 2.8                                                | 42.5x37x28                  |
| 1.5                       | 850  | 155RSB102K2J                   | 750                   | 14                                                 | 4.4                                                | 42.5x37x28                  |
| 1.5                       | 1000 | 155PSB102K2J                   | 570                   | 12                                                 | 2.9                                                | 42.5x45x30                  |
| 1.5                       | 1200 | 155PSB122K2J                   | 650                   | 12                                                 | 2.8                                                | 42.5x45x30                  |
| 1.5                       | 1500 | 155PSB152K2R                   | 500                   | 12                                                 | 3.2                                                | 57.5x50x35                  |
| 1.5                       | 2000 | 155RSB202K2R                   | 725                   | 14                                                 | 4.7                                                | 57.5x50x35                  |
| 1.8                       | 1500 | 185PSB152K2R                   | 500                   | 12                                                 | 3                                                  | 57.5x50x35                  |
| 2                         | 700  | 205PSB700K2J                   | 325                   | 12                                                 | 3.1                                                | 42.5x37x28                  |
| 2                         | 850  | 205PSB850K2J                   | 400                   | 12                                                 | 2.5                                                | 42.5x45x30                  |
| 2                         | 1000 | 205PSB102K2R                   | 320                   | 12                                                 | 3.2                                                | 57.5x45x30                  |
| 2                         | 1000 | 205RSB102K2J                   | 750                   | 14                                                 | 4                                                  | 42.5x45x30                  |
| 2                         | 1200 | 205PSB122K2R                   | 350                   | 12                                                 | 3                                                  | 57.5x45x30                  |
| 2.2                       | 700  | 225PSB700K2J                   | 325                   | 12                                                 | 3                                                  | 42.5x37x28                  |
| 2.2                       | 850  | 225PSB850K2J                   | 400                   | 12                                                 | 2.5                                                | 42.5x45x30                  |
| 2.2                       | 1000 | 225PSB102K2R                   | 320                   | 12                                                 | 3.1                                                | 57.5x45x30                  |
| 2.2                       | 1000 | 225RSB102K2J                   | 750                   | 14                                                 | 4                                                  | 42.5x45x30                  |
| 2.2                       | 1200 | 225PSB122K2R                   | 350                   | 12                                                 | 2.9                                                | 57.5x50x35                  |
| 2.2                       | 1200 | 225RSB122K2R                   | 500                   | 14                                                 | 4.8                                                | 57.5x45x30                  |
| 2.5                       | 850  | 255PSB850K2R                   | 275                   | 12                                                 | 2.9                                                | 57.5x45x30                  |
| 2.5                       | 1200 | 255PSB122K2R                   | 350                   | 12                                                 | 2.7                                                | 57.5x50x35                  |
| 2.5                       | 1200 | 255RSB122K2R                   | 500                   | 14                                                 | 4.5                                                | 57.5x45x30                  |
| 3                         | 700  | 305PSB700K2J                   | 325                   | 12                                                 | 2.7                                                | 42.5x45x30                  |
| 3                         | 850  | 305PSB850K2R                   | 275                   | 12                                                 | 2.7                                                | 57.5x45x30                  |
| 3                         | 1000 | 305PSB102K2R                   | 320                   | 12                                                 | 2.7                                                | 57.5x50x35                  |
| 3                         | 1000 | 305RSB102K2R                   | 450                   | 14                                                 | 4.4                                                | 57.5x45x30                  |
| 3.3                       | 700  | 335PSB700K2J                   | 325                   | 12                                                 | 2.6                                                | 42.5x45x30                  |
| 3.3                       | 850  | 335PSB850K2R                   | 275                   | 12                                                 | 2.7                                                | 57.5x45x30                  |
| 3.3                       | 1000 | 335PSB102K2R                   | 320                   | 12                                                 | 2.6                                                | 57.5x50x35                  |
| 3.3                       | 1000 | 335RSB102K2R                   | 450                   | 14                                                 | 4.2                                                | 57.5x45x30                  |
| 3.3                       | 1200 | 335RSB122K2R                   | 500                   | 14                                                 | 3.9                                                | 57.5x50x35                  |
| 4                         | 700  | 405PSB700K2R                   | 200                   | 12                                                 | 3                                                  | 57.5x45x30                  |
| 4                         | 850  | 405PSB850K2R                   | 275                   | 12                                                 | 2.5                                                | 57.5x50x35                  |
| 4                         | 1000 | 405RSB102K2R                   | 450                   | 14                                                 | 3.8                                                | 57.5x50x35                  |
| 4.7                       | 700  | 475PSB700K2R                   | 200                   | 12                                                 | 2.8                                                | 57.5x50x35                  |
| 4.7                       | 850  | 475PSB850K2R                   | 450                   | 14                                                 | 2.4                                                | 57.5x50x35                  |
| 4.7                       | 1000 | 475RSB102K2R                   | 450                   | 14                                                 | 3.5                                                | 57.5x50x35                  |
| 5                         | 700  | 505PSB700K2R                   | 200                   | 12                                                 | 2.7                                                | 57.5x50x35                  |
| 5.6                       | 700  | 565PSB700K2R                   | 200                   | 12                                                 | 2.6                                                | 57.5x50x35                  |



ILLINOIS CAPACITOR, INC.

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# PSB/RSB

Radial Leaded  
Polypropylene Film  
Capacitors with Double  
Sided Metallized Electrodes

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## PHYSICAL DIMENSIONS

### 4 Leaded Capacitors

| WVDC<br>(VAC)<br>(μF) | 700<br>(420) | 850<br>(500) | 1000<br>(575)            | 1200<br>(630)            | 1500<br>(650) | 2000<br>(700)            | 2500<br>(725) | 3000<br>(750)            |
|-----------------------|--------------|--------------|--------------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|
| 0.033                 |              |              |                          |                          |               |                          | →             | 32x33x18                 |
| 0.047                 |              |              |                          |                          |               |                          | →             | 32x33x18                 |
| 0.068                 |              |              |                          |                          |               |                          | →             | 32x37x22                 |
| 0.1                   |              |              |                          |                          |               | →                        | 32x33x18      | 42.5x37x28               |
| 0.15                  |              |              |                          |                          | →             | 32x33x18                 | →             | 42.5x37x28               |
| 0.22                  |              |              |                          | →                        | 32x33x18      | 32x37x22                 | 42.5x37x28    | 42.5x45x30               |
| 0.33                  |              |              | →                        | 32x33x18                 | 32x37x22      | 42.5x37x28               | 42.5x45x30    | 42.5x45x30<br>57.5x45x30 |
| 0.39                  |              |              |                          |                          |               | →                        | 42.5x45x30    |                          |
| 0.47                  | →            | 32x33x18     | 32x33x18                 | 32x37x22                 | 42.5x37x28    | 42.5x37x28               | 57.5x45x30    | 57.5x45x30<br>57.5x50x35 |
| 0.56                  |              |              |                          |                          | →             | 42.5x45x30               | 57.5x45x30    |                          |
| 0.68                  | 32x33x18     | 32x37x22     | 32x37x22<br>42.5x37x28   | 42.5x37x28               | 42.5x37x28    | 42.5x37x28<br>57.5x45x30 | 57.5x30x35    | 57.5x50x35               |
| 0.82                  |              |              |                          |                          | →             | 57.5x45x30               |               |                          |
| 1                     | 32x37x22     | 42.5x37x28   | 42.5x30x22<br>42.5x37x28 | 42.5x37x28               | 42.5x45x30    | 42.5x45x30<br>57.5x50x35 |               |                          |
| 1.2                   |              |              | →                        | 42.5x37x28<br>42.5x45x30 | 57.5x45x30    | 42.5x45x30<br>57.5x50x35 |               |                          |
| 1.5                   | →            | 42.5x37x28   | 42.5x37x28<br>42.5x45x30 | 42.5x45x30               | 57.5x50x35    | 57.5x50x35               |               |                          |
| 1.8                   |              |              |                          | →                        | 57.5x50x35    |                          |               |                          |
| 2                     | 42.5x37x28   | 42.5x45x30   | 42.5x45x30<br>57.5x45x30 | 57.5x45x30               |               |                          |               |                          |
| 2.2                   | 42.5x37x28   | 42.5x45x30   | 42.5x45x30<br>57.5x45x30 | 57.5x45x30<br>57.5x50x35 |               |                          |               |                          |
| 2.5                   | →            | 57.5x45x30   | →                        | 57.5x45x30<br>57.5x50x35 |               |                          |               |                          |
| 3                     | 42.5x45x30   | 57.5x45x30   | 57.5x45x30<br>57.5x50x35 |                          |               |                          |               |                          |
| 3.3                   | 42.5x45x30   | 57.5x45x30   | 57.5x45x30<br>57.5x50x35 | 57.5x50x35               |               |                          |               |                          |
| 4                     | 57.5x45x30   | 57.5x50x35   | 57.5x50x35               |                          |               |                          |               |                          |
| 4.7                   | 57.5x50x35   | →            | 57.5x50x35               |                          |               |                          |               |                          |
| 5                     | 57.5x50x35   |              |                          |                          |               |                          |               |                          |
| 5.6                   | 57.5x50x35   |              |                          |                          |               |                          |               |                          |

Convert to inches divide by 25.4

LxHxT (mm)



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# PSB/RSB

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## STANDARD PARTS LISTING

| Capacitance<br>( $\mu$ F) | WVDC | IC <sup>®</sup> PART<br>NUMBER | dv/dt<br>(V/ $\mu$ s) | Maximum<br>RMS Current<br>@100kHz,<br>70°C in Amps | Typical<br>ESR<br>@100 kHz,<br>+25°C in m $\Omega$ | Dimensions<br>LxHxT<br>(mm) |
|---------------------------|------|--------------------------------|-----------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------|
| 0.033                     | 3000 | 333PSB302K4H                   | 2750                  | 7                                                  | 18.3                                               | 32x33x18                    |
| 0.047                     | 3000 | 473PSB302K4H                   | 2750                  | 8.5                                                | 13.1                                               | 32x33x18                    |
| 0.068                     | 3000 | 683PSB302K4H                   | 2750                  | 11                                                 | 9.8                                                | 32x37x22                    |
| 0.1                       | 2500 | 104PSB252K4H                   | 2150                  | 11.5                                               | 7                                                  | 32x33x18                    |
| 0.1                       | 3000 | 104PSB302K4J                   | 1600                  | 12.5                                               | 8.7                                                | 42.5x37x28                  |
| 0.15                      | 2000 | 154PSB202K4H                   | 1750                  | 12                                                 | 5.9                                                | 32x33x18                    |
| 0.15                      | 3000 | 154PSB302K4J                   | 1600                  | 14.5                                               | 6.1                                                | 42.5x37x28                  |
| 0.22                      | 1500 | 224PSB152K4H                   | 1225                  | 14                                                 | 4.5                                                | 32x33x18                    |
| 0.22                      | 2000 | 224PSB202K4H                   | 1750                  | 15                                                 | 4.6                                                | 32x37x22                    |
| 0.22                      | 2500 | 224PSB252K4J                   | 1350                  | 15.5                                               | 5.2                                                | 42.5x37x28                  |
| 0.22                      | 3000 | 224PSB302K4J                   | 1600                  | 18.5                                               | 4.5                                                | 42.5x45x30                  |
| 0.33                      | 1200 | 334PSB122K4H                   | 1100                  | 15.5                                               | 3.7                                                | 32x33x18                    |
| 0.33                      | 1500 | 334PSB152K4H                   | 1225                  | 17.5                                               | 3.5                                                | 32x37x22                    |
| 0.33                      | 2000 | 334PSB202K4J                   | 1000                  | 17.5                                               | 4.1                                                | 42.5x37x28                  |
| 0.33                      | 2500 | 334PSB252K4J                   | 1350                  | 20                                                 | 3.9                                                | 42.5x45x30                  |
| 0.33                      | 3000 | 334PSB302K4R                   | 875                   | 20.5                                               | 4.4                                                | 57.5x45x30                  |
| 0.33                      | 3000 | 334RSB302K4J                   | 2050                  | 16.5                                               | 6.1                                                | 42.5x45x30                  |
| 0.39                      | 2500 | 394PSB252K4J                   | 1350                  | 20.5                                               | 3.6                                                | 42.5x45x30                  |
| 0.47                      | 850  | 474PSB850K4H                   | 700                   | 15.5                                               | 3.2                                                | 32x33x18                    |
| 0.47                      | 1000 | 474PSB102K4H                   | 850                   | 16                                                 | 3.1                                                | 32x33x18                    |
| 0.47                      | 1200 | 474PSB122K4H                   | 1100                  | 19                                                 | 2.8                                                | 32x37x22                    |
| 0.47                      | 1500 | 474PSB152K4J                   | 800                   | 18                                                 | 3.8                                                | 42.5x37x28                  |
| 0.47                      | 2000 | 474PSB202K4J                   | 1000                  | 19                                                 | 3.4                                                | 42.5x37x28                  |
| 0.47                      | 2500 | 474PSB252K4R                   | 750                   | 22                                                 | 3.9                                                | 57.5x45x30                  |
| 0.47                      | 3000 | 474PSB302K4R                   | 875                   | 22                                                 | 3.8                                                | 57.5x50x35                  |
| 0.47                      | 3000 | 474RSB302K4R                   | 1150                  | 18                                                 | 6.1                                                | 57.5x45x30                  |
| 0.56                      | 2000 | 564PSB202K4J                   | 1000                  | 22                                                 | 3.1                                                | 42.5x45x30                  |
| 0.56                      | 2500 | 564PSB252K4R                   | 750                   | 22                                                 | 3.6                                                | 57.5x45x30                  |
| 0.68                      | 700  | 684PSB700K4H                   | 485                   | 16                                                 | 3.1                                                | 32x33x18                    |
| 0.68                      | 850  | 684PSB850K4H                   | 700                   | 19                                                 | 2.8                                                | 32x37x22                    |
| 0.68                      | 1000 | 684PSB102K4J                   | 570                   | 19                                                 | 2.6                                                | 42.5x37x28                  |
| 0.68                      | 1000 | 684RSB102K4H                   | 1120                  | 16                                                 | 4.3                                                | 32x37x22                    |
| 0.68                      | 1200 | 684PSB122K4J                   | 650                   | 19.5                                               | 3.3                                                | 42.5x37x28                  |
| 0.68                      | 1500 | 684PSB152K4J                   | 800                   | 20                                                 | 3.2                                                | 42.5x37x28                  |
| 0.68                      | 2000 | 684PSB202K4R                   | 580                   | 22                                                 | 3.6                                                | 57.5x45x30                  |
| 0.68                      | 2000 | 684RSB202K4J                   | 1220                  | 16.5                                               | 5                                                  | 42.5x37x28                  |
| 0.68                      | 2500 | 684PSB252K4R                   | 750                   | 22                                                 | 3.3                                                | 57.5x50x35                  |
| 0.68                      | 3000 | 684RSB302K4R                   | 1150                  | 21                                                 | 5.2                                                | 57.5x50x35                  |
| 0.82                      | 2000 | 824PSB202K4R                   | 580                   | 22                                                 | 3.2                                                | 57.5x45x30                  |
| 0.82                      | 2500 | 824PSB252K4R                   | 750                   | 22                                                 | 2.9                                                | 57.5x50x35                  |
| 0.82                      | 3000 | 824RSB302K4R                   | 1150                  | 22                                                 | 4.7                                                | 57.5x50x35                  |
| 1                         | 700  | 105PSB700K4H                   | 485                   | 19                                                 | 2.6                                                | 32x37x22                    |
| 1                         | 850  | 105PSB850K4J                   | 400                   | 21                                                 | 2.7                                                | 42.5x37x28                  |
| 1                         | 1000 | 105PSB102K4J                   | 570                   | 22                                                 | 2.7                                                | 42.5x37x28                  |
| 1                         | 1000 | 105RSB102K4J                   | 750                   | 15                                                 | 4.3                                                | 42.5x30x22                  |
| 1                         | 1200 | 105PSB122K4J                   | 650                   | 21                                                 | 2.8                                                | 42.5x37x28                  |

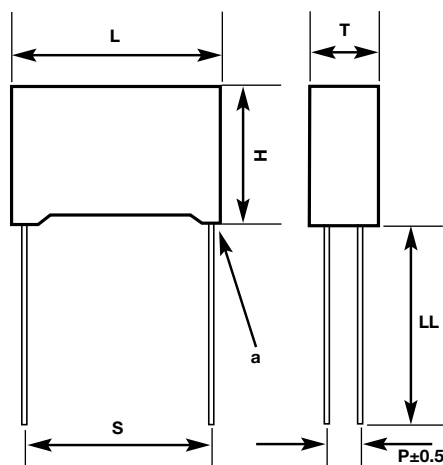
| Capacitance<br>( $\mu$ F) | WVDC | IC <sup>®</sup> PART<br>NUMBER | dv/dt<br>(V/ $\mu$ s) | Maximum<br>RMS Current<br>@100kHz,<br>70°C in Amps | Typical<br>ESR<br>@100 kHz,<br>+25°C in m $\Omega$ | Dimensions<br>LxHxT<br>(mm) |
|---------------------------|------|--------------------------------|-----------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------|
| 1                         | 1500 | 105PSB152K4J                   | 800                   | 22                                                 | 2.6                                                | 42.5x45x30                  |
| 1                         | 2000 | 105PSB202K4R                   | 580                   | 22                                                 | 2.9                                                | 57.5x50x35                  |
| 1                         | 2000 | 105RSB202K4J                   | 1220                  | 20                                                 | 4                                                  | 42.5x45x30                  |
| 1.2                       | 1200 | 125PSB122K4J                   | 650                   | 22                                                 | 2.5                                                | 42.5x45x30                  |
| 1.2                       | 1200 | 125RSB122K4J                   | 870                   | 18                                                 | 4.1                                                | 42.5x37x28                  |
| 1.2                       | 1500 | 125PSB152K4R                   | 500                   | 22                                                 | 2.9                                                | 57.5x45x30                  |
| 1.2                       | 2000 | 125PSB202K4R                   | 580                   | 22                                                 | 2.5                                                | 57.5x50x35                  |
| 1.2                       | 2000 | 125RSB202K4R                   | 870                   | 20.5                                               | 4.5                                                | 57.5x45x30                  |
| 1.5                       | 850  | 155PSB850K4J                   | 750                   | 23                                                 | 2.1                                                | 42.5x37x28                  |
| 1.5                       | 1000 | 155PSB102K4J                   | 570                   | 22                                                 | 2.2                                                | 42.5x45x30                  |
| 1.5                       | 1000 | 155RSB102K4J                   | 750                   | 18.5                                               | 3.7                                                | 42.5x37x28                  |
| 1.5                       | 1200 | 155PSB122K4J                   | 650                   | 22                                                 | 2.1                                                | 42.5x45x30                  |
| 1.5                       | 1500 | 155PSB152K4R                   | 500                   | 22                                                 | 2.6                                                | 57.5x50x35                  |
| 1.5                       | 2000 | 155RSB202K4R                   | 725                   | 23.5                                               | 4                                                  | 57.5x50x35                  |
| 1.8                       | 1500 | 185PSB152K4R                   | 500                   | 22                                                 | 2.4                                                | 57.5x50x35                  |
| 2                         | 700  | 205PSB700K4J                   | 325                   | 22                                                 | 2.5                                                | 42.5x37x28                  |
| 2                         | 850  | 205PSB850K4J                   | 400                   | 22                                                 | 1.9                                                | 42.5x45x30                  |
| 2                         | 1000 | 205PSB102K4R                   | 320                   | 22                                                 | 2.6                                                | 57.5x45x30                  |
| 2                         | 1000 | 205RSB102K4J                   | 750                   | 21                                                 | 3.3                                                | 42.5x45x30                  |
| 2                         | 1200 | 205PSB122K4R                   | 350                   | 22                                                 | 2.4                                                | 57.5x45x30                  |
| 2.2                       | 700  | 225PSB700K4J                   | 325                   | 22                                                 | 2.4                                                | 42.5x37x28                  |
| 2.2                       | 850  | 225PSB850K4J                   | 400                   | 22                                                 | 1.9                                                | 42.5x45x30                  |
| 2.2                       | 1000 | 225PSB102K4R                   | 320                   | 22                                                 | 2.5                                                | 57.5x45x30                  |
| 2.2                       | 1000 | 225RSB102K4J                   | 750                   | 21.5                                               | 3.3                                                | 42.5x45x30                  |
| 2.2                       | 1200 | 225PSB122K4R                   | 350                   | 22                                                 | 2.3                                                | 57.5x50x35                  |
| 2.2                       | 1200 | 225RSB122K4R                   | 500                   | 21.5                                               | 4.1                                                | 57.5x45x30                  |
| 2.5                       | 850  | 255PSB850K4R                   | 275                   | 22                                                 | 2.3                                                | 57.5x45x30                  |
| 2.5                       | 1200 | 255PSB122K4R                   | 350                   | 22                                                 | 2.1                                                | 57.5x50x35                  |
| 2.5                       | 1200 | 255RSB122K4R                   | 500                   | 22.5                                               | 3.8                                                | 57.5x45x30                  |
| 3                         | 700  | 305PSB700K4J                   | 325                   | 22                                                 | 2.1                                                | 42.5x45x30                  |
| 3                         | 850  | 305PSB850K4R                   | 275                   | 22                                                 | 2.1                                                | 57.5x45x30                  |
| 3                         | 1000 | 305PSB102K4R                   | 320                   | 22                                                 | 2.1                                                | 57.5x50x35                  |
| 3                         | 1000 | 305RSB102K4R                   | 450                   | 23                                                 | 3.7                                                | 57.5x45x30                  |
| 3.3                       | 700  | 335PSB700K4J                   | 325                   | 22                                                 | 2                                                  | 42.5x45x30                  |
| 3.3                       | 850  | 335PSB850K4R                   | 275                   | 22                                                 | 2.1                                                | 57.5x45x30                  |
| 3.3                       | 1000 | 335PSB102K4R                   | 320                   | 22                                                 | 2                                                  | 57.5x50x35                  |
| 3.3                       | 1000 | 355RSB102K4R                   | 450                   | 23.5                                               | 3.5                                                | 57.5x45x30                  |
| 3.3                       | 1200 | 335RSB122K4R                   | 500                   | 26                                                 | 3.2                                                | 57.5x50x35                  |
| 4                         | 700  | 405PSB700K4R                   | 200                   | 22                                                 | 2.4                                                | 57.5x45x30                  |
| 4                         | 850  | 405PSB850K4R                   | 275                   | 22                                                 | 1.9                                                | 57.5x50x35                  |
| 4                         | 1000 | 405RSB102K4R                   | 450                   | 26                                                 | 3.1                                                | 57.5x50x35                  |
| 4.7                       | 700  | 475PSB700K4R                   | 200                   | 22                                                 | 2.2                                                | 57.5x50x35                  |
| 4.7                       | 1000 | 475RSB102K4R                   | 450                   | 26                                                 | 2.8                                                | 57.5x50x35                  |
| 5                         | 700  | 505PSB700K4R                   | 200                   | 22                                                 | 2.2                                                | 57.5x50x35                  |
| 5.6                       | 700  | 565PSB700K4R                   | 200                   | 22                                                 | 2                                                  | 57.5x50x35                  |



ILLINOIS CAPACITOR, INC.

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## PHYSICAL DIMENSIONS



|          |      |         |      |      |      |      |
|----------|------|---------|------|------|------|------|
| <b>L</b> | 32   | 32      | 32   | 42.5 | 42.5 | 57.5 |
| <b>S</b> | 27.5 | 27.5    | 27.5 | 37.5 | 37.5 | 52.5 |
| <b>H</b> | ≤22  | 22<H<28 | ≥28  | ≥37  | >37  | ALL  |
| <b>P</b> | 10.2 | 10.2    | 10.2 | 10.2 | 20.3 | 20.3 |
| <b>d</b> | 0.8  | 1.0     | 1.2  | 1.2  | 1.2  | 1.2  |



## STANDARD PARTS LISTING

| Capacitance (μF) | WVDC | IC PART NUMBER | dv/dt (v/μs) | Maximum RMS Current @100kHz, 70°C in Amps | Typical ESR @100 kHz, +25°C in mΩ | Dimensions LxHxT (mm) |
|------------------|------|----------------|--------------|-------------------------------------------|-----------------------------------|-----------------------|
| 0.68             | 2500 | 684PSB252K6R   | 750          | 23                                        | 3.3                               | 57.5x50x35            |
| 0.82             | 2000 | 824PSB202K6R   | 580          | 24                                        | 3.1                               | 57.5x45x30            |
| 0.82             | 2500 | 824PSB252K6R   | 750          | 26                                        | 2.9                               | 57.5x50x35            |
| 1                | 2000 | 105PSB202K6R   | 580          | 27                                        | 2.9                               | 57.5x50x35            |
| 1.2              | 1500 | 125PSB152K6R   | 500          | 25                                        | 2.9                               | 57.5x45x30            |
| 1.2              | 2000 | 125PSB202K6R   | 580          | 29                                        | 2.5                               | 57.5x50x35            |
| 1.5              | 1500 | 155PSB152K6R   | 500          | 28                                        | 2.6                               | 57.5x50x35            |
| 1.8              | 1500 | 185PSB152K6R   | 500          | 29.5                                      | 2.4                               | 57.5x50x35            |
| 2                | 1000 | 205PSB102K6R   | 320          | 26                                        | 2.6                               | 57.5x45x30            |
| 2                | 1200 | 205PSB122K6R   | 350          | 27                                        | 2.4                               | 57.5x45x30            |
| 2.2              | 850  | 225PSB850K6J   | 400          | 27                                        | 1.9                               | 42.5x45x30            |
| 2.2              | 1000 | 225PSB102K6R   | 320          | 26.5                                      | 2.5                               | 57.5x45x30            |

| Capacitance (μF) | WVDC | IC PART NUMBER | dv/dt (v/μs) | Maximum RMS Current @100kHz, 70°C in Amps | Typical ESR @100 kHz, +25°C in mΩ | Dimensions LxHxT (mm) |
|------------------|------|----------------|--------------|-------------------------------------------|-----------------------------------|-----------------------|
| 2.2              | 1200 | 225PSB122K6R   | 350          | 30                                        | 2.3                               | 57.5x50x35            |
| 2.5              | 850  | 255PSB850K6R   | 275          | 27.5                                      | 2.3                               | 57.5x45x30            |
| 2.5              | 1200 | 255PSB122K6R   | 350          | 31                                        | 2.1                               | 57.5x50x35            |
| 3                | 850  | 305PSB850K6R   | 275          | 28.5                                      | 2.1                               | 57.5x45x30            |
| 3                | 1000 | 305PSB102K6R   | 320          | 31                                        | 2.1                               | 57.5x50x35            |
| 3.3              | 850  | 335PSB850K6R   | 275          | 29.5                                      | 2.1                               | 57.5x45x30            |
| 3.3              | 1000 | 335PSB102K6R   | 320          | 32                                        | 2                                 | 57.5x50x35            |
| 4                | 700  | 405PSB700K6R   | 200          | 27                                        | 2.4                               | 57.5x45x30            |
| 4                | 850  | 405PSB850K6R   | 275          | 32                                        | 1.9                               | 57.5x50x35            |
| 4.7              | 700  | 475PSB700K6R   | 200          | 31                                        | 2.2                               | 57.5x50x35            |
| 5                | 700  | 505PSB700K6R   | 200          | 31                                        | 2.2                               | 57.5x50x35            |
| 5.6              | 700  | 565PSB700K6R   | 200          | 31                                        | 2                                 | 57.5x50x35            |

### 6 Leaded Capacitors

| WVDC (VAC)<br>(μF) | 700<br>(420) | 850<br>(500) | 1000<br>(575) | 1200<br>(630) | 1500<br>(650) | 2000<br>(700) | 2500<br>(725) |
|--------------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|
| 0.68               |              |              |               |               |               |               | 57.5x50x35    |
| 0.82               |              |              |               |               |               | 57.5x45x30    | 57.5x50x35    |
| 1                  |              |              |               |               |               | 57.5x50x35    |               |
| 1.2                |              |              |               |               | 57.5x45x30    | 57.5x50x35    |               |
| 1.5                |              |              |               |               | 57.5x50x35    |               |               |
| 1.8                |              |              |               |               | 57.5x50x35    |               |               |
| 2                  |              |              | 57.5x45x30    | 57.5x45x30    |               |               |               |
| 2.2                |              |              | 57.5x45x30    | 57.5x50x35    |               |               |               |
| 2.5                |              | 57.5x45x30   |               | 57.5x50x35    |               |               |               |
| 3                  |              | 57.5x45x30   | 57.5x50x35    |               |               |               |               |
| 3.3                |              | 57.5x45x30   | 57.5x50x35    |               |               |               |               |
| 4                  | 57.5x45x30   | 57.5x50x35   |               |               |               |               |               |
| 4.7                | 57.5x50x35   |              |               |               |               |               |               |
| 5                  | 57.5x50x35   |              |               |               |               |               |               |
| 5.6                | 57.5x50x35   |              |               |               |               |               |               |

Convert to inches divide by 25.4

LxHxT (mm)

