



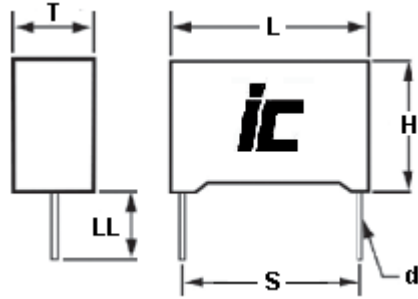
### FEATURES

High Current - High voltage - Good Pulse Current rating

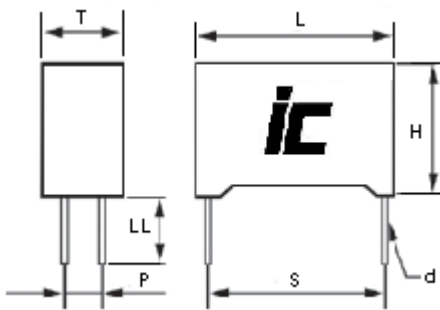
### APPLICATIONS

Resonant Circuits - Switching Power Supplies - Motor Speed controls - Induction Heaters

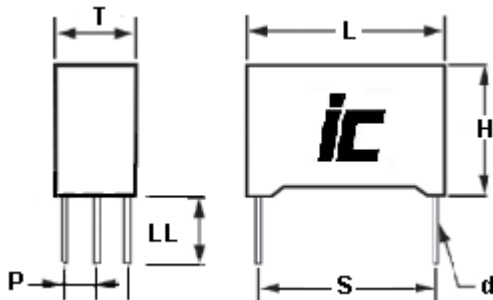
|  |   |                                 |            |  |            |                  |
|--|---|---------------------------------|------------|--|------------|------------------|
| <b>Operating Temperature Range</b>   | <b>-40°C to +100°C</b>  |                                 |            |  |            |                  |
| <b>Capacitance Tolerance</b>   | ±10% at 1 kHz, 25°C<br>±5% optional   |                                 |            |  |            |                  |
| <b>Non-Recurrent SVDC</b>  | <b>WVDC</b>   | <b>250</b>                      | <b>330</b> | <b>400</b>   | <b>600</b> | <b>700</b>       |
|  | <b>VAC</b>  | 400                             | 500        | 600  | 800        | 1000             |
| <b>AC voltage (50/60 Hz)</b>   | <b>WVDC</b>   | <b>250</b>                      | <b>330</b> | <b>400</b>   | <b>600</b> | <b>700</b>       |
|  | <b>VAC</b>  | 160                             | 220        | 275  | 350        | 400              |
| For T>+85°C, The voltage (DC/AC) must be decreased by (1.5/2.5)% per °C                |   |                                 |            |  |            |                  |
| <b>Dissipation Factor (MAX)<br/>25°C</b>   | <b>Frequency (kHz)</b>  | <b>C≤5uF</b>                    |            | <b>5&lt;C≤25uF</b>   |            | <b>C&gt;25uF</b> |
|  | 1   | 0.05%                           |            | 0.08%  |            | 0.1%             |
| <b>Insulation Resistance<br/>@25°C (&lt;70% RH) for 1 minute at<br/>100VDC applied</b> | <b>Insulation Resistance</b>  |                                 |            |  |            |                  |
|  | 30000 MΩxuF<br>(not to exceed 30GΩ)   |                                 |            |  |            |                  |
| <b>Self Inductance</b>   | <1 nano-Henry per mm of lead spacing  |                                 |            |  |            |                  |
| <b>Capacitance Drift Factor</b>  | <0.5% after 2 years at 40°C   |                                 |            |  |            |                  |
| <b>Life Expectancy</b>   | 100000 Hours @WVDC<br>30000 Hours @ VAC   |                                 |            |  |            |                  |
|  | <b>Capacitance Change</b>   | ≤3% of initially measured value |            |  |            |                  |
| <b>Failure quota</b>   | 300/ Billion component hours  |                                 |            |  |            |                  |
| <b>Damp Heat test</b>  | <b>56 days at 40°C with 90 to 95%RH, +40°C and no voltage applied</b>               |                                 |            |  |            |                  |
|  | <b>Capacitance Change</b>   | ≤2% of initially measured value |            |  |            |                  |
|  | <b>Dissipation Factor</b>   | ≤0.001 at 1kHz and 25°C         |            |  |            |                  |
|  | <b>Insulation Resistance</b>  | ≥50% of maximum specified value |            |  |            |                  |
| <b>Self Inductance</b>   | <1 nano-Henry per mm of lead spacing  |                                 |            |  |            |                  |
| <b>Capacitance Drift Factor</b>  | <0.5% after 2 years at 40°C   |                                 |            |  |            |                  |
| <b>Capacitance Temperature Coefficient</b>   | -200 ppm/°C, ±100ppm/°C   |                                 |            |  |            |                  |
| <b>Dielectric Strength</b>   | <b>Terminal to Terminal</b>   |                                 |            | <b>Terminal to case</b>  |            |                  |
|  | 160% of rated VDC Applied for 10 seconds or 150% VAC applied for 2 Seconds and 25°C |                                 |            | 3kVAC @ 50/60 Hz applied between terminals and case for 60 seconds at 25°C |            |                  |
| <b>Dielectric</b>  | Polypropylene   |                                 |            |  |            |                  |
| <b>Construction</b>  | Metallized film   |                                 |            |  |            |                  |
| <b>Coating</b>   | Flame Retardant plastic box with epoxy resin (UL94V-0)                              |                                 |            |  |            |                  |
| <b>Leads</b>   | Lead free tinned copper leads   |                                 |            |  |            |                  |



|   |      |      |           |       |      |      |
|---|------|------|-----------|-------|------|------|
| L | 26.5 | 32   | 32        | 32    | 42.5 | 57.5 |
| H | ALL  | ≤20  | 20<H≤24.5 | >24.5 | ALL  | ALL  |
| T | ALL  | ALL  | ≤18       | ALL   | ALL  | ALL  |
| S | 22.5 | 27.5 | 27.5      | 27.5  | 37.5 | 52.5 |
| d | 0.8  | 0.8  | 1.0       | 1.2   | 1.2  | 1.2  |



|   |      |      |      |
|---|------|------|------|
| L | 32   | 42.5 | 57.5 |
| S | 27.5 | 37.5 | 52.5 |
| d | 1.2  | 1.2  | 1.2  |



|   |      |      |
|---|------|------|
| L | 42.5 | 57.5 |
| S | 37.5 | 52.5 |
| d | 1.2  | 1.2  |

# PHB

Metallized Polypropylene,  
High Frequency radial lead  
box

| Capacitance (µF) | WVDC | IC PART NUMBER | dv/dt (v/µ sec.) | Maximum RMS Ripple Current (A) 100 kHz, +70°C | Typical ESR (mΩ) 100 kHz, +25°C | Dims LxHxT (mm) | S (MM) | d (MM) | P (MM) | # Leads |
|------------------|------|----------------|------------------|---|---------------------------------|-----------------|--------|--------|--------|---------|
| 0.1              | 850  | 104PHB850K2H   | 300              | 4   | 15                              | 32x17x9         | 27.5   | 0.8    |        | 2       |
| 0.1              | 850  | 104PHB850K2G   | 375              | 4   | 13                              | 26.5x16x7       | 22.5   | 0.8    |        | 2       |
| 0.15             | 700  | 154PHB700K2G   | 135              | 4   | 13                              | 26.5x16x7       | 22.5   | 0.8    |        | 2       |
| 0.15             | 850  | 154PHB850K2G   | 375              | 5   | 9.7                             | 26.5x18.5x10    | 22.5   | 0.8    |        | 2       |
| 0.15             | 850  | 154PHB850K2H   | 300              | 5.5   | 11                              | 32x20x11        | 27.5   | 0.8    |        | 2       |
| 0.22             | 600  | 224PHB600K2G   | 95               | 3.5   | 13                              | 26.5x16x7       | 22.5   | 0.8    |        | 2       |
| 0.22             | 700  | 224PHB700K2G   | 135              | 4.5   | 11                              | 26.5x17x8.5     | 22.5   | 0.8    |        | 2       |
| 0.22             | 850  | 224PHB850K2G   | 375              | 7   | 7.6                             | 26.5x22x13      | 22.5   | 0.8    |        | 2       |
| 0.22             | 850  | 224PHB850K2H   | 300              | 6.5   | 8.3                             | 32x20x11        | 27.5   | 0.8    |        | 2       |
| 0.33             | 600  | 334PHB600K2G   | 95               | 5   | 9.5                             | 26.5x17x8.5     | 22.5   | 0.8    |        | 2       |
| 0.33             | 700  | 334PHB700K2G   | 135              | 6   | 8.5                             | 26.5x20x11      | 22.5   | 0.8    |        | 2       |
| 0.33             | 700  | 334PHB700K2H   | 105              | 6   | 11                              | 32x20x11        | 27.5   | 0.8    |        | 2       |
| 0.33             | 850  | 334PHB850K2H   | 300              | 8   | 6.3                             | 32x22x13        | 27.5   | 1      |        | 2       |
| 0.47             | 400  | 474PHB400K2G   | 75               | 4.5   | 8.6                             | 26.5x16x7       | 22.5   | 0.8    |        | 2       |
| 0.47             | 600  | 474PHB600K2G   | 95               | 6   | 8.3                             | 26.5x18.5x10    | 22.5   | 0.8    |        | 2       |
| 0.47             | 600  | 474PHB600K2H   | 75               | 6   | 10                              | 32x20x11        | 27.5   | 0.8    |        | 2       |
| 0.47             | 700  | 474PHB700K2H   | 105              | 7.5   | 7.5                             | 32x22x13        | 27.5   | 1      |        | 2       |
| 0.47             | 850  | 474PHB850K2H   | 300              | 9.5   | 5.1                             | 32x24.5x15      | 27.5   | 1.2    |        | 2       |
| 0.68             | 330  | 684PHB330K2G   | 60               | 5   | 8.9                             | 26.5x16x7       | 22.5   | 0.8    |        | 2       |
| 0.68             | 400  | 684PHB400K2G   | 75               | 6.5   | 7.1                             | 26.5x18.5x10    | 22.5   | 0.8    |        | 2       |
| 0.68             | 400  | 684PHB400K2H   | 55               | 6.5   | 8.8                             | 32x20x11        | 27.5   | 0.8    |        | 2       |
| 0.68             | 600  | 684PHB600K2H   | 75               | 7   | 7.6                             | 32x20x11        | 27.5   | 0.8    |        | 2       |
| 0.68             | 600  | 684PHB600K2G   | 95               | 7   | 6.9                             | 26.5x22x13      | 22.5   | 0.8    |        | 2       |
| 0.68             | 700  | 684PHB700K2H   | 105              | 9   | 6.1                             | 32x24.5x15      | 27.5   | 1      |        | 2       |
| 0.68             | 850  | 684PHB850K2H   | 300              | 14  | 3.8                             | 32x33x18        | 27.5   | 1.2    |        | 2       |
| 0.68             | 850  | 684PHB850K4H   | 300              | 16  | 3.1                             | 32x33x18        | 27.5   | 1.2    | 5.1    | 4       |
| 1                | 250  | 105PHB250K2G   | 50               | 4.5   | 7.6                             | 26.5x16x7       | 22.5   | 0.8    |        | 2       |
| 1                | 330  | 105PHB330K2G   | 60               | 6.5   | 7                               | 26.5x18.5x10    | 22.5   | 0.8    |        | 2       |
| 1                | 400  | 105PHB400K2G   | 75               | 7.5   | 5.8                             | 26.5x20x11      | 22.5   | 0.8    |        | 2       |
| 1                | 400  | 105PHB400K2H   | 55               | 7   | 6.7                             | 32x20x11        | 27.5   | 0.8    |        | 2       |
| 1                | 600  | 105PHB600K2H   | 75               | 8.5   | 6.1                             | 32x22x13        | 27.5   | 1      |        | 2       |
| 1                | 700  | 105PHB700K2H   | 105              | 13  | 4.6                             | 32x33x18        | 27.5   | 1.2    |        | 2       |
| 1                | 700  | 105PHB700K4H   | 105              | 15.5  | 3.9                             | 32x33x18        | 27.5   | 1.2    | 10.2   | 4       |
| 1                | 850  | 105PHB850K4H   | 300              | 20.5  | 2.4                             | 32x37x22        | 27.5   | 1.2    | 10.2   | 4       |
| 1                | 850  | 105PHB850K2H   | 300              | 14  | 3.1                             | 32x37x22        | 27.5   | 1.2    |        | 2       |
| 1                | 850  | 105PHB850K2J   | 200              | 13  | 4.2                             | 42.5x28x17      | 37.5   | 1.2    |        | 2       |
| 1.5              | 250  | 155PHB250K2G   | 50               | 6.5   | 6.1                             | 26.5x17x8.5     | 22.5   | 0.8    |        | 2       |
| 1.5              | 250  | 155PHB250K2H   | 40               | 6.5   | 7.1                             | 32x20x11        | 27.5   | 0.8    |        | 2       |
| 1.5              | 330  | 155PHB330K2H   | 45               | 7.5   | 6.1                             | 32x20x11        | 27.5   | 0.8    |        | 2       |
| 1.5              | 400  | 155PHB400K2H   | 55               | 9   | 5.3                             | 32x22x13        | 27.5   | 1      |        | 2       |
| 1.5              | 600  | 155PHB600K2H   | 75               | 11.5  | 4.6                             | 32x28x14        | 27.5   | 1.2    |        | 2       |
| 1.5              | 700  | 155PHB700K2H   | 105              | 14  | 4                               | 32x37x22        | 37.5   | 1.2    |        | 2       |
| 1.5              | 700  | 155PHB700K2J   | 70               | 12  | 5.6                             | 42.5x28x17      | 37.5   | 1.2    |        | 2       |
| 1.5              | 700  | 155PHB700K4H   | 105              | 18  | 3.3                             | 32x37x22        | 27.5   | 1.2    | 10.2   | 4       |
| 1.5              | 850  | 155PHB850K2J   | 200              | 14  | 3.4                             | 42.5x30x22      | 37.5   | 1.2    |        | 2       |
| 2                | 250  | 205PHB250K2G   | 50               | 7.5   | 5.3                             | 26.5x20x11      | 22.5   | 0.8    |        | 2       |
| 2                | 250  | 205PHB250K2H   | 40               | 7   | 6.1                             | 32x20x11        | 27.5   | 0.8    |        | 2       |
| 2                | 330  | 205PHB330K2H   | 45               | 8.5   | 5.3                             | 32x22x13        | 27.5   | 1      |        | 2       |
| 2                | 400  | 205PHB400K2H   | 55               | 10  | 4.7                             | 32x24.5x15      | 27.5   | 1.2    |        | 2       |
| 2                | 600  | 205PHB600K2H   | 75               | 14  | 3.9                             | 32x33x18        | 27.5   | 1.2    |        | 2       |
| 2                | 600  | 205PHB600K4H   | 75               | 16  | 3.2                             | 32x33x18        | 27.5   | 1.2    | 10.2   | 4       |
| 2                | 700  | 205PHB700K2H   | 105              | 14  | 3.5                             | 32x37x22        | 27.5   | 1.2    |        | 2       |
| 2                | 700  | 205PHB700K2J   | 70               | 13  | 4.9                             | 42.5x30x22      | 37.5   | 1.2    |        | 2       |
| 2                | 700  | 205PHB700K4H   | 105              | 20  | 2.8                             | 32x37x22        | 27.5   | 1.2    | 10.2   | 4       |
| 2                | 850  | 205PHB850K4J   | 200              | 23  | 2.3                             | 42.5x37x28      | 37.5   | 1.2    | 10.2   | 4       |
| 2                | 850  | 205PHB850K2J   | 200              | 14  | 3                               | 42.5x37x28      | 37.5   | 1.2    |        | 2       |
| 2.2              | 250  | 225PHB250K2G   | 50               | 7.5   | 5.1                             | 26.5x20x11      | 22.5   | 0.8    |        | 2       |
| 2.2              | 250  | 225PHB250K2H   | 40               | 7   | 5.8                             | 32x20x11        | 27.5   | 0.8    |        | 2       |

# PHB

Metallized Polypropylene,  
High Frequency radial lead  
box

| Capacitance (µF) | WVDC | IC PART NUMBER | dv/dt (v/µ sec.) | Maximum RMS Ripple Current (A) 100 kHz, +70°C | Typical ESR (mΩ) 100 kHz, +25°C | Dims LxHxT (mm) | S (MM) | d (MM) | P (MM) | # Leads |
|------------------|------|----------------|------------------|---|---------------------------------|-----------------|--------|--------|--------|---------|
| 2.2              | 330  | 225PHB330K2H   | 45               | 9   | 5.1                             | 32x22x13        | 27.5   | 1      |        | 2       |
| 2.2              | 400  | 225PHB400K2H   | 55               | 10.5  | 4.4                             | 32x24.5x15      | 27.5   | 1.2    |        | 2       |
| 2.2              | 600  | 225PHB600K2H   | 75               | 14  | 3.9                             | 32x33x18        | 27.5   | 1.2    |        | 2       |
| 2.2              | 600  | 225PHB600K4H   | 75               | 16.5  | 3.2                             | 32x33x18        | 27.5   | 1.2    | 10.2   | 4       |
| 2.2              | 700  | 225PHB700K2J   | 70               | 12  | 4.7                             | 42.5x30x22      | 37.5   | 1.2    |        | 2       |
| 2.2              | 700  | 225PHB700K4J   | 70               | 15.5  | 4                               | 42.5x37x28      | 37.5   | 1.2    | 10.2   | 2       |
| 2.2              | 850  | 225PHB850K2J   | 200              | 14  | 3                               | 42.5x37x28      | 37.5   | 1.2    |        | 2       |
| 2.2              | 850  | 225PHB850K4J   | 200              | 24.5  | 2.3                             | 42.5x37x28      | 37.5   | 1.2    | 10.2   | 4       |
| 2.5              | 250  | 255PHB250K2H   | 40               | 8   | 5.4                             | 32x20x11        | 27.5   | 0.8    |        | 2       |
| 2.5              | 330  | 255PHB330K2H   | 45               | 9.5   | 4.9                             | 32x22x13        | 27.5   | 1      |        | 2       |
| 2.5              | 400  | 255PHB400K2H   | 55               | 11  | 4.2                             | 32x24.5x15      | 27.5   | 1.2    |        | 2       |
| 2.5              | 850  | 255PHB850K2J   | 200              | 14  | 2.8                             | 42.5x37x28      | 37.5   | 1.2    |        | 2       |
| 2.5              | 850  | 255PHB850K4J   | 200              | 24  | 2.1                             | 42.5x37x28      | 37.5   | 1.2    | 20.3   | 4       |
| 3                | 250  | 305PHB250K2H   | 40               | 9   | 4.8                             | 32x22x13        | 27.5   | 1      |        | 2       |
| 3                | 330  | 305PHB330K2H   | 45               | 10.5  | 4.3                             | 32x24.5x15      | 27.5   | 1      |        | 2       |
| 3                | 400  | 305PHB400K4H   | 55               | 17  | 2.9                             | 32x33x18        | 27.5   | 1.2    | 5.1    | 4       |
| 3                | 400  | 305PHB400K2H   | 55               | 14  | 3.6                             | 32x33x18        | 27.5   | 1.2    |        | 2       |
| 3                | 600  | 305PHB600K2H   | 75               | 14  | 3.3                             | 32x37x22        | 27.5   | 1.2    |        | 2       |
| 3                | 600  | 305PHB600K2J   | 55               | 14  | 4.3                             | 42.5x30x22      | 37.5   | 1.2    |        | 2       |
| 3                | 600  | 305PHB600K4H   | 75               | 21  | 2.6                             | 32x37x22        | 27.5   | 1.2    | 10.2   | 4       |
| 3                | 700  | 305PHB700K4J   | 70               | 20  | 3.2                             | 42.5x37x28      | 37.5   | 1.2    | 10.2   | 4       |
| 3                | 700  | 305PHB700K2J   | 70               | 14  | 3.9                             | 42.5x37x28      | 37.5   | 1.2    |        | 2       |
| 3                | 850  | 305PHB850K2J   | 200              | 14  | 2.4                             | 42.5x45x30      | 37.5   | 1.2    |        | 2       |
| 3                | 850  | 305PHB850K4J   | 200              | 27  | 1.8                             | 42.5x45x30      | 37.5   | 1.2    | 20.3   | 4       |
| 3.3              | 250  | 335PHB250K2H   | 40               | 9.5   | 4.3                             | 32x22x13        | 27.5   | 1      |        | 2       |
| 3.3              | 330  | 335PHB330K2H   | 45               | 10.5  | 4.1                             | 32x24.5x15      | 27.5   | 1      |        | 2       |
| 3.3              | 400  | 335PHB400K4H   | 55               | 17.5  | 2.8                             | 32x33x18        | 27.5   | 1.2    | 5.1    | 4       |
| 3.3              | 400  | 335PHB400K2H   | 55               | 14  | 3.5                             | 32x33x18        | 27.5   | 1.2    |        | 2       |
| 3.3              | 600  | 335PHB600K2H   | 75               | 14  | 3.2                             | 32x37x22        | 27.5   | 1.2    |        | 2       |
| 3.3              | 600  | 335PHB600K2J   | 55               | 14  | 4.1                             | 42.5x30x22      | 37.5   | 1.2    |        | 2       |
| 3.3              | 600  | 335PHB600K4H   | 75               | 21.5  | 2.5                             | 32x37x22        | 27.5   | 1.2    | 10.2   | 4       |
| 3.3              | 700  | 335PHB700K4J   | 70               | 21.5  | 3.1                             | 42.5x37x28      | 37.5   | 1.2    | 20.3   | 4       |
| 3.3              | 700  | 335PHB700K2J   | 70               | 14  | 3.8                             | 42.5x37x28      | 37.5   | 1.2    |        | 2       |
| 3.3              | 850  | 335PHB850K2J   | 200              | 14  | 2.4                             | 42.5x45x30      | 37.5   | 1.2    |        | 2       |
| 3.3              | 850  | 335PHB850K4J   | 200              | 27  | 1.8                             | 42.5x45x30      | 37.5   | 1.2    | 20.3   | 4       |
| 4                | 250  | 405PHB250K2H   | 40               | 10.5  | 3.8                             | 32x22x13        | 27.5   | 1      |        | 2       |
| 4                | 400  | 405PHB400K2H   | 55               | 14  | 3.2                             | 32x33x18        | 27.5   | 1.2    |        | 2       |
| 4                | 400  | 405PHB400K4H   | 55               | 18.5  | 2.5                             | 32x33x18        | 27.5   | 1.2    | 10.2   | 4       |
| 4                | 600  | 405PHB600K4J   | 55               | 17.5  | 2.9                             | 42.5x37x28      | 37.5   | 1.2    | 10.2   | 4       |
| 4                | 600  | 405PHB600K2J   | 55               | 14  | 3.6                             | 42.5x37x28      | 37.5   | 1.2    |        | 2       |
| 4                | 700  | 405PHB700K2J   | 70               | 14  | 3.3                             | 42.5x45x30      | 37.5   | 1.2    |        | 2       |
| 4                | 700  | 405PHB700K4J   | 70               | 22.5  | 2.7                             | 42.5x45x30      | 37.5   | 1.2    | 20.3   | 4       |
| 4                | 850  | 405PHB850K4R   | 110              | 25  | 2.5                             | 57.5x45x30      | 52.5   | 1.2    | 20.3   | 4       |
| 4                | 850  | 405PHB850K2R   | 110              | 14  | 3.2                             | 57.5x45x30      | 52.5   | 1.2    |        | 2       |
| 4.7              | 250  | 475PHB250K2H   | 40               | 12  | 3.5                             | 32x28x14        | 27.5   | 1.2    |        | 2       |
| 4.7              | 250  | 475PHB250K4H   | 40               | 15  | 2.8                             | 32x28x14        | 27.5   | 1.2    | 5.1    | 4       |
| 4.7              | 330  | 475PHB330K4H   | 45               | 17  | 2.7                             | 32x33x18        | 27.5   | 1.2    | 5.1    | 4       |
| 4.7              | 330  | 475PHB330K2H   | 45               | 14  | 3.4                             | 32x33x18        | 27.5   | 1.2    |        | 2       |
| 4.7              | 400  | 475PHB400K2H   | 55               | 14  | 2.8                             | 32x37x22        | 27.5   | 1.2    |        | 2       |
| 4.7              | 400  | 475PHB400K2J   | 40               | 13.5  | 3.9                             | 42.5x28x17      | 37.5   | 1.2    |        | 2       |
| 4.7              | 400  | 475PHB400K4H   | 55               | 21.5  | 2.1                             | 32x37x22        | 27.5   | 1.2    | 10.2   | 4       |
| 4.7              | 600  | 475PHB600K4J   | 55               | 22  | 2.6                             | 42.5x37x28      | 37.5   | 1.2    | 10.2   | 4       |
| 4.7              | 600  | 475PHB600K2J   | 55               | 14  | 3.3                             | 42.5x37x28      | 37.5   | 1.2    |        | 2       |
| 4.7              | 700  | 475PHB700K2J   | 70               | 14  | 3.1                             | 42.5x45x30      | 37.5   | 1.2    |        | 2       |
| 4.7              | 700  | 475PHB700K4J   | 70               | 25  | 2.4                             | 42.5x45x30      | 37.5   | 1.2    | 20.3   | 4       |
| 4.7              | 850  | 475PHB850K4R   | 110              | 27  | 2.1                             | 57.5x45x30      | 52.5   | 1.2    | 20.3   | 4       |
| 4.7              | 850  | 475PHB850K2R   | 110              | 14  | 2.8                             | 57.5x45x30      | 52.5   | 1.2    |        | 2       |
| 5                | 250  | 505PHB250K2H   | 40               | 12  | 3.4                             | 32x28x14        | 27.5   | 1.2    |        | 2       |

# PHB

Metallized Polypropylene,  
High Frequency radial lead  
box

| Capacitance (µF) | WVDC | IC PART NUMBER | dv/dt (v/µ sec.) | Maximum RMS Ripple Current (A) 100 kHz, +70°C | Typical ESR (mΩ) 100 kHz, +25°C | Dims LxHxT (mm) | S (MM) | d (MM) | P (MM) | # Leads |
|------------------|------|----------------|------------------|---|---------------------------------|-----------------|--------|--------|--------|---------|
| 5                | 250  | 505PHB250K4H   | 40               | 15  | 2.7                             | 32x28x14        | 27.4   | 1.2    | 5.1    | 4       |
| 5                | 330  | 505PHB330K4H   | 45               | 17.5  | 2.6                             | 32x33x18        | 27.5   | 1.2    | 5.1    | 4       |
| 5                | 330  | 505PHB330K2H   | 45               | 14  | 3.3                             | 32x33x18        | 27.5   | 1.2    |        | 2       |
| 5                | 400  | 505PHB400K4H   | 55               | 22  | 2.1                             | 32x37x22        | 27.5   | 1.2    | 10.2   | 4       |
| 5                | 400  | 505PHB400K2H   | 55               | 14  | 2.8                             | 32x37x22        | 27.5   | 1.2    |        | 2       |
| 5                | 400  | 505PHB400K2J   | 40               | 14  | 3.7                             | 42.5x30x22      | 37.5   | 1.2    |        | 2       |
| 5                | 600  | 505PHB600K2J   | 55               | 14  | 3.3                             | 42.5x37x28      | 37.5   | 1.2    |        | 2       |
| 5                | 600  | 505PHB600K4J   | 55               | 22.5  | 2.6                             | 42.5x37x28      | 37.5   | 1.2    | 10.2   | 4       |
| 5                | 700  | 505PHB700K2J   | 70               | 14  | 3                               | 42.5x45x30      | 37.5   | 1.2    |        | 2       |
| 5                | 700  | 505PHB700K4J   | 70               | 25.5  | 2.3                             | 42.5x45x30      | 37.5   | 1.2    | 20.3   | 4       |
| 5.6              | 850  | 565PHB850K4R   | 110              | 27  | 2                               | 57.5x50x35      | 52.5   | 1.2    | 20.3   | 4       |
| 5.6              | 850  | 565PHB850K2R   | 110              | 14  | 2.7                             | 57.5x50x35      | 52.5   | 1.2    |        | 2       |
| 6                | 700  | 605PHB700K2R   | 40               | 14  | 5                               | 57.5x45x30      | 52.5   | 1.2    |        | 2       |
| 6                | 700  | 605PHB700K4R   | 40               | 20  | 4.3                             | 57.5x45x30      | 52.5   | 1.2    | 20.3   | 4       |
| 6                | 850  | 605PHB850K4R   | 110              | 27  | 2                               | 57.5x50x35      | 52.5   | 1.2    | 20.3   | 4       |
| 6                | 850  | 605PHB850K2R   | 110              | 14  | 2.6                             | 57.5x50x35      | 52.5   | 1.2    |        | 2       |
| 6.8              | 250  | 685PHB250K2H   | 40               | 14  | 3.1                             | 32x33x18        | 27.5   | 1.2    |        | 2       |
| 6.8              | 250  | 685PHB250K4H   | 40               | 18  | 2.4                             | 32x33x18        | 27.5   | 1.2    | 5.1    | 4       |
| 6.8              | 330  | 685PHB330K2H   | 45               | 14  | 2.8                             | 32x37x22        | 27.5   | 1.2    |        | 2       |
| 6.8              | 330  | 685PHB330K2J   | 30               | 14  | 3.7                             | 42.5x28x17      | 37.5   | 1.2    |        | 2       |
| 6.8              | 330  | 685PHB330K4H   | 45               | 22  | 2.1                             | 32x37x22        | 27.5   | 1.2    | 10.2   | 4       |
| 6.8              | 400  | 685PHB400K4J   | 40               | 19.5  | 2.6                             | 42.5x37x28      | 37.5   | 1.2    | 10.2   | 4       |
| 6.8              | 400  | 685PHB400K2J   | 40               | 14  | 3.3                             | 42.5x30x22      | 37.5   | 1.2    |        | 2       |
| 6.8              | 600  | 685PHB600K2J   | 55               | 14  | 2.8                             | 42.5x45x30      | 37.5   | 1.2    |        | 2       |
| 6.8              | 600  | 685PHB600K4J   | 55               | 25.5  | 2.1                             | 42.5x45x30      | 37.5   | 1.2    | 20.3   | 4       |
| 6.8              | 700  | 685PHB700K4R   | 40               | 21.5  | 4                               | 57.5x45x30      | 52.5   | 1.2    | 20.3   | 4       |
| 6.8              | 700  | 685PHB700K2R   | 40               | 14  | 4.7                             | 57.5x45x30      | 52.5   | 1.2    |        | 2       |
| 8                | 700  | 805PHB700K2R   | 40               | 14  | 4.4                             | 57.5x50x35      | 52.5   | 1.2    |        | 2       |
| 8                | 700  | 805PHB700K4R   | 40               | 23.5  | 3.7                             | 57.5x50x35      | 52.5   | 1.2    | 20.3   | 4       |
| 9                | 600  | 905PHB600K4J   | 55               | 27  | 1.9                             | 42.5x45x30      | 37.5   | 1.2    | 20.3   | 4       |
| 9                | 600  | 905PHB600K2J   | 55               | 14  | 2.6                             | 42.5x45x30      | 37.5   | 1.2    |        | 2       |
| 9                | 700  | 905PHB700K2R   | 40               | 14  | 4.1                             | 57.5x50x35      | 52.5   | 1.2    |        | 2       |
| 9                | 700  | 905PHB700K4R   | 40               | 25  | 3.4                             | 57.5x50x35      | 52.5   | 1.2    | 20.3   | 4       |
| 10               | 250  | 106PHB250K2H   | 40               | 20.5  | 2.6                             | 32x33x18        | 27.5   | 1.2    |        | 2       |
| 10               | 250  | 106PHB250K2J   | 25               | 14  | 3.6                             | 42.5x28x17      | 37.5   | 1.2    |        | 2       |
| 10               | 250  | 106PHB250K4H   | 40               | 20.5  | 1.9                             | 32x33x18        | 27.5   | 1.2    | 10.2   | 4       |
| 10               | 400  | 106PHB400K4J   | 40               | 24.5  | 2.1                             | 42.5x37x28      | 37.5   | 1.2    | 20.3   | 4       |
| 10               | 400  | 106PHB400K2J   | 40               | 14  | 2.8                             | 42.5x37x28      | 37.5   | 1.2    |        | 2       |
| 10               | 600  | 106PHB600K2R   | 30               | 14  | 4.5                             | 57.5x45x30      | 52.5   | 1.2    |        | 2       |
| 10               | 600  | 106PHB600K4R   | 30               | 22  | 3.8                             | 57.5x45x30      | 52.5   | 1.2    | 20.3   | 4       |
| 15               | 250  | 156PHB250K2J   | 25               | 14  | 3.1                             | 42.5x30x22      | 37.5   | 1.2    |        | 2       |
| 15               | 330  | 156PHB330K2J   | 30               | 14  | 2.7                             | 42.5x37x28      | 37.5   | 1.2    |        | 2       |
| 15               | 330  | 156PHB330K4J   | 30               | 26  | 2                               | 42.5x37x28      | 37.5   | 1.2    | 10.2   | 4       |
| 15               | 400  | 156PHB400K4J   | 40               | 27  | 1.7                             | 42.5x45x30      | 37.5   | 1.2    | 20.3   | 4       |
| 15               | 400  | 156PHB400K2J   | 40               | 14  | 2.4                             | 42.5x45x30      | 37.5   | 1.2    |        | 2       |
| 15               | 600  | 156PHB600K2R   | 30               | 14  | 3.7                             | 57.5x50x35      | 52.5   | 1.2    |        | 2       |
| 15               | 600  | 156PHB600K4R   | 30               | 25  | 3                               | 57.5x50x35      | 52.5   | 1.2    | 20.3   | 4       |
| 20               | 250  | 206PHB250K2J   | 25               | 14  | 2.8                             | 42.5x37x28      | 37.5   | 1.2    |        | 2       |
| 20               | 250  | 206PHB250K4J   | 25               | 24  | 2.1                             | 42.5x37x28      | 37.5   | 1.2    | 10.2   | 4       |
| 20               | 330  | 206PHB330K4J   | 30               | 27  | 1.8                             | 42.5x45x30      | 37.5   | 1.2    | 20.3   | 4       |
| 20               | 330  | 206PHB330K2J   | 30               | 14  | 2.5                             | 42.5x45x30      | 37.5   | 1.2    |        | 2       |
| 20               | 400  | 206PHB400K4R   | 20               | 24.5  | 3                               | 57.5x45x30      | 52.5   | 1.2    | 20.3   | 4       |
| 20               | 400  | 206PHB400K2R   | 20               | 14  | 3.7                             | 57.5x45x30      | 52.5   | 1.2    |        | 2       |
| 22               | 250  | 226PHB250K2J   | 25               | 14  | 2.8                             | 42.5x37x28      | 37.5   | 1.2    |        | 2       |
| 22               | 250  | 226PHB250K4J   | 25               | 25  | 2.1                             | 42.5x37x28      | 37.5   | 1.2    | 10.2   | 4       |
| 22               | 400  | 226PHB400K4R   | 20               | 25.5  | 2.9                             | 57.5x50x35      | 52.5   | 1.2    | 20.3   | 4       |
| 22               | 400  | 226PHB400K2R   | 20               | 14  | 3.6                             | 57.5x50x35      | 52.5   | 1.2    |        | 2       |
| 25               | 250  | 256PHB250K4J   | 25               | 26.5  | 1.9                             | 42.5x37x28      | 37.5   | 1.2    | 20.3   | 4       |

# PHB

Metallized Polypropylene,  
High Frequency radial lead  
box

| Capacitance (μF) | WVDC | IC PART NUMBER               | dv/dt (v/μ sec.) | Maximum RMS Ripple Current (A) 100 kHz, +70°C | Typical ESR (mΩ) 100 kHz, +25°C | Dims LxHxT (mm) | S (MM) | d (MM) | P (MM) | # Leads |
|------------------|------|------------------------------|------------------|---|---------------------------------|-----------------|--------|--------|--------|---------|
| 25               | 250  | <a href="#">256PHB250K2J</a> | 25               | 14  | 2.6                             | 42.5x37x28      | 37.5   | 1.2    |        | 2       |
| 25               | 330  | <a href="#">256PHB330K2R</a> | 17               | 14  | 3.6                             | 57.5x45x30      | 52.5   | 1.2    |        | 2       |
| 25               | 330  | <a href="#">256PHB330K4R</a> | 17               | 23  | 2.9                             | 57.5x45x30      | 52.5   | 1.2    | 20.3   | 4       |
| 25               | 400  | <a href="#">256PHB400K4R</a> | 20               | 26  | 2.8                             | 57.5x50x35      | 52.5   | 1.2    | 20.3   | 4       |
| 25               | 400  | <a href="#">256PHB400K2R</a> | 20               | 14  | 3.4                             | 57.5x50x35      | 52.5   | 1.2    |        | 2       |
| 30               | 250  | <a href="#">306PHB250K2J</a> | 25               | 14  | 2.6                             | 42.5x45x30      | 37.5   | 1.2    |        | 2       |
| 30               | 250  | <a href="#">306PHB250K4J</a> | 25               | 26.5  | 1.9                             | 42.5x45x30      | 37.5   | 1.2    | 20.3   | 4       |
| 30               | 330  | <a href="#">306PHB330K2R</a> | 17               | 14  | 3.4                             | 57.5x45x30      | 52.5   | 1.2    |        | 2       |
| 30               | 330  | <a href="#">306PHB330K4R</a> | 17               | 24.5  | 2.7                             | 57.5x45x30      | 52.5   | 1.2    | 20.3   | 4       |
| 33               | 250  | <a href="#">336PHB250K2J</a> | 25               | 14  | 2.4                             | 42.5x45x30      | 37.5   | 1.2    |        | 2       |
| 33               | 250  | <a href="#">336PHB250K4J</a> | 25               | 27  | 1.7                             | 42.5x45x30      | 37.5   | 1.2    | 20.3   | 4       |
| 33               | 330  | <a href="#">336PHB330K2R</a> | 17               | 14  | 3.3                             | 57.5x50x35      | 52.5   | 1.2    |        | 2       |
| 33               | 330  | <a href="#">336PHB330K4R</a> | 17               | 26  | 2.6                             | 57.5x50x35      | 52.5   | 1.2    | 20.3   | 4       |
| 35               | 330  | <a href="#">356PHB330K4R</a> | 17               | 22  | 2.6                             | 57.5x50x35      | 52.5   | 1.2    | 20.3   | 4       |
| 35               | 330  | <a href="#">356PHB330K2R</a> | 17               | 12  | 3.2                             | 57.5x50x35      | 52.5   | 1.2    |        | 2       |
| 40               | 250  | <a href="#">406PHB250K4R</a> | 15               | 26  | 2.6                             | 57.5x45x30      | 52.5   | 1.2    | 20.3   | 4       |
| 40               | 250  | <a href="#">406PHB250K2R</a> | 15               | 14  | 3.3                             | 57.5x45x30      | 52.5   | 1.2    |        | 2       |
| 40               | 330  | <a href="#">406PHB330K4R</a> | 17               | 27  | 2.4                             | 57.5x50x35      | 52.5   | 1.2    | 20.3   | 4       |
| 40               | 330  | <a href="#">406PHB330K2R</a> | 17               | 14  | 3.1                             | 57.5x50x35      | 52.5   | 1.2    |        | 2       |
| 50               | 250  | <a href="#">506PHB250K4R</a> | 15               | 26.5  | 2.3                             | 57.5x50x35      | 52.5   | 1.2    | 20.3   | 4       |
| 50               | 250  | <a href="#">506PHB250K2R</a> | 15               | 14  | 3                               | 57.5x50x35      | 52.5   | 1.2    |        | 2       |
| 60               | 250  | <a href="#">606PHB250K2R</a> | 15               | 14  | 2.7                             | 57.5x50x35      | 52.5   | 1.2    |        | 2       |
| 60               | 250  | <a href="#">606PHB250K4R</a> | 15               | 27  | 2                               | 57.5x50x35      | 52.5   | 1.2    | 20.3   | 4       |