



#### FEATURES

Metallized Polypropylene - High Capacitance - Low ESR

#### APPLICATIONS

Switching Power Supplies - UPS - DC Link - Motor Speed Controls -  
Solar Heaters - Power Converters

|                                                                                                                   |                     |                                                                                                        |     |                |        |                                                                                     |      |                                      |
|-------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------|-----|----------------|--------|-------------------------------------------------------------------------------------|------|--------------------------------------|
| Operating Temperature Range                                                                                       |                     | -40°C to +100°C<br>Above +85°C applied voltage must be de-rated by 1.5%/°C                             |     |                |        |                                                                                     |      |                                      |
| Capacitance Tolerance                                                                                             |                     | ±10% at 1 kHz, 25°C<br>±5% optional                                                                    |     |                |        |                                                                                     |      |                                      |
| Surge Voltage                                                                                                     | VDC                 | 250                                                                                                    | 330 | 400            | 600    | 700                                                                                 | 850  |                                      |
|                                                                                                                   | Non-repetitive SVDC | 400                                                                                                    | 400 | 600            | 800    | 1000                                                                                | 1200 |                                      |
| AC voltage                                                                                                        | VDC                 | 250                                                                                                    | 330 | 400            | 600    | 700                                                                                 | 850  |                                      |
|                                                                                                                   | VAC                 | 160                                                                                                    | 220 | 250            | 330    | 400                                                                                 | 500  |                                      |
| Dissipation Factor (MAX)<br>Tan δ<br>at 1 kHz and 25°C                                                            |                     | C≤ 5uF                                                                                                 |     | 5uF<C≤2<br>5uF | C>75uF |                                                                                     |      |                                      |
|                                                                                                                   |                     | .06%                                                                                                   |     | .1%            |        | .15%                                                                                |      |                                      |
| Insulation Resistance<br>After 1 minute of 100VDC applied<br>between the terminals at 25°C                        |                     | 30000 MΩxuF<br>“Not to exceed 3GΩ”                                                                     |     |                |        |                                                                                     |      |                                      |
| Self Inductance                                                                                                   |                     | <1 nano-Henry per mm of lead spacing                                                                   |     |                |        |                                                                                     |      |                                      |
| Long term stability                                                                                               |                     | Capacitance variation <1% MAX after 2 years                                                            |     |                |        |                                                                                     |      |                                      |
| Dielectric Strength                                                                                               |                     | Terminal to Terminal                                                                                   |     |                |        | Terminal to case                                                                    |      |                                      |
|                                                                                                                   |                     | 160% of VDC VDC applied for 10<br>Seconds and 25°C or<br>200% of VDC applied for 2 Seconds<br>and 25°C |     |                |        | 3KVAC at 50/60 Hz applied between the terminals and<br>case for 60 Seconds and 25°C |      |                                      |
| Life Expectancy                                                                                                   |                     | ≥100000 with VDC<br>≥30000 with VAC                                                                    |     |                |        |                                                                                     |      |                                      |
| Failure quota                                                                                                     |                     | 300/billion component hours                                                                            |     |                |        |                                                                                     |      |                                      |
| Damp Heat Test                                                                                                    |                     | Test Condition                                                                                         |     |                |        | Performance requirements                                                            |      |                                      |
|                                                                                                                   |                     | Temperature= +40°C ±2°C                                                                                |     |                |        | Max Capacitance change                                                              |      | ≤ 2% of initially measured valued    |
|                                                                                                                   |                     | Relative Humidity=93 ±2%                                                                               |     |                |        | DF Change                                                                           |      | ≤ 200% of initially specified valued |
|                                                                                                                   |                     | Test length= 56 days                                                                                   |     |                |        | Insulation resistance                                                               |      | ≥ 50% of minimum specified value     |
| Resistance to soldering Heat<br>Solder bath temperature: +260°C +/- 5°C<br>Exposure time: 10 seconds +/- 1 second |                     | Max Capacitance change                                                                                 |     |                |        | ≤1% of initially measured value                                                     |      |                                      |
|                                                                                                                   |                     | DF Change                                                                                              |     |                |        | ≤ .1% at 1kHz                                                                       |      |                                      |
|                                                                                                                   |                     | Insulation resistance                                                                                  |     |                |        | ≥50% of minimum specified value                                                     |      |                                      |
| Construction                                                                                                      |                     | Metallized Polypropylene film                                                                          |     |                |        |                                                                                     |      |                                      |
| Electrodes                                                                                                        |                     | Vacuum deposited Metal layers                                                                          |     |                |        |                                                                                     |      |                                      |
| Coating                                                                                                           |                     | Flame retardant tape wrap (UL510) with epoxy end fill (UL94V-0)                                        |     |                |        |                                                                                     |      |                                      |
| Lead terminations                                                                                                 |                     | Lead free tinned copper leads                                                                          |     |                |        |                                                                                     |      |                                      |

# PHC

High Frequency Metallized  
Polypropylene Axial Lead

| 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 DxL (mm) |
|------------------|------|----------------|------------------|-----------------------------------------------|---------------------------------|---------------|
| 0.1              | 850  | 104PHC850KG    | 375              | 3.5                                           | 12.9                            | 11.5x29       |
| 0.15             | 850  | 154PHC850KG    | 375              | 4.5                                           | 9.8                             | 13x29         |
| 0.15             | 850  | 154PHC850K     | 300              | 4.5                                           | 10.8                            | 12x34         |
| 0.22             | 700  | 224PHC700KG    | 135              | 4                                             | 10.7                            | 12.5x29       |
| 0.22             | 700  | 224PHC700KJ    | 105              | 3.5                                           | 11.6                            | 11.5x34       |
| 0.22             | 850  | 224PHC850KG    | 375              | 5.5                                           | 7.7                             | 15x29         |
| 0.22             | 850  | 224PHC850K     | 300              | 5.5                                           | 8.4                             | 13.5x34       |
| 0.33             | 600  | 334PHC600KG    | 95               | 4                                             | 9.5                             | 12x29         |
| 0.33             | 700  | 334PHC700KG    | 135              | 5                                             | 8.5                             | 15x29         |
| 0.33             | 700  | 334PHC700KJ    | 105              | 5                                             | 9.4                             | 13.5x34       |
| 0.33             | 850  | 334PHC850KG    | 375              | 7                                             | 5.9                             | 17.5x29       |
| 0.33             | 850  | 334PHC850K     | 300              | 7                                             | 6.6                             | 16x34         |
| 0.47             | 400  | 474PHC400K     | 75               | 4                                             | 8.6                             | 11x29         |
| 0.47             | 600  | 474PHC600K     | 75               | 5                                             | 9.4                             | 12.5x34       |
| 0.47             | 600  | 474PHC600KG    | 95               | 5                                             | 8.3                             | 13.5x29       |
| 0.47             | 700  | 474PHC700KG    | 135              | 6.5                                           | 6.9                             | 17x29         |
| 0.47             | 700  | 474PHC700K     | 105              | 6.5                                           | 7.7                             | 15.5x34       |
| 0.47             | 850  | 474PHC850K     | 300              | 9                                             | 5.4                             | 18.5x34       |
| 0.68             | 330  | 684PHC330KG    | 60               | 4.5                                           | 9.1                             | 11x29         |
| 0.68             | 400  | 684PHC400KG    | 75               | 5.5                                           | 7.1                             | 13x29         |
| 0.68             | 400  | 684PHC400K     | 55               | 5                                             | 8.9                             | 12x34         |
| 0.68             | 600  | 684PHC600K     | 75               | 6                                             | 7.8                             | 14x34         |
| 0.68             | 600  | 684PHC600KG    | 95               | 6                                             | 6.8                             | 16x29         |
| 0.68             | 700  | 684PHC700K     | 105              | 8                                             | 6                               | 17.5x34       |
| 0.68             | 850  | 684PHC850K     | 300              | 10                                            | 4.3                             | 21.5x34       |
| 0.68             | 850  | 684PHC850KN    | 200              | 9                                             | 5.4                             | 18x46         |
| 1                | 250  | 105PHC250K     | 50               | 4.5                                           | 7.6                             | 11x29         |
| 1                | 330  | 105PHC330KG    | 60               | 5.5                                           | 6.9                             | 12.5x29       |
| 1                | 400  | 105PHC400KG    | 75               | 6.5                                           | 5.8                             | 15x29         |
| 1                | 400  | 105PHC400K     | 55               | 6                                             | 6.7                             | 13x34         |
| 1                | 600  | 105PHC600K     | 75               | 8                                             | 6.1                             | 17.5x34       |
| 1                | 700  | 105PHC700K     | 105              | 10                                            | 4.5                             | 21.5x34       |
| 1                | 700  | 105PHC700KN    | 70               | 9                                             | 6.6                             | 18x46         |
| 1                | 850  | 105PHC850KJ    | 300              | 13                                            | 3.2                             | 26x34         |
| 1                | 850  | 105PHC850K     | 200              | 10.5                                          | 4.3                             | 21.5x46       |
| 1.2              | 700  | 125PHC700KN    | 70               | 9                                             | 6.3                             | 20x46         |
| 1.2              | 700  | 125PHC700K     | 105              | 10.5                                          | 3.9                             | 24x34         |
| 1.5              | 250  | 155PHC250K     | 50               | 5.5                                           | 6.1                             | 13x29         |
| 1.5              | 330  | 155PHC330KG    | 60               | 6.5                                           | 5.5                             | 15x29         |
| 1.5              | 330  | 155PHC330KJ    | 45               | 6                                             | 6.3                             | 13.5x34       |
| 1.5              | 400  | 155PHC400KG    | 75               | 7.5                                           | 4.7                             | 17.5x29       |
| 1.5              | 400  | 155PHC400K     | 55               | 7                                             | 5.6                             | 15.5x34       |
| 1.5              | 600  | 155PHC600K     | 75               | 9                                             | 4.9                             | 20x34         |
| 1.5              | 700  | 155PHC700K     | 70               | 10.5                                          | 5.6                             | 21.5x46       |
| 1.5              | 850  | 155PHC850K     | 200              | 14                                            | 3.5                             | 25.5x46       |
| 2                | 250  | 205PHC250K     | 50               | 6                                             | 4.9                             | 14.5x29       |
| 2                | 250  | 205PHC250KG    | 40               | 6                                             | 5.1                             | 12.5x34       |
| 2                | 330  | 205PHC330KG    | 60               | 7.5                                           | 4.7                             | 16.5x29       |
| 2                | 330  | 205PHC330KJ    | 45               | 7                                             | 5.7                             | 15x34         |
| 2                | 400  | 205PHC400K     | 55               | 9                                             | 4.6                             | 17.5x34       |
| 2                | 600  | 205PHC600K     | 55               | 10                                            | 5.3                             | 20x46         |
| 2                | 600  | 205PHC600KJ    | 75               | 10.5                                          | 4.1                             | 23x34         |
| 2                | 700  | 205PHC700K     | 70               | 12                                            | 4.8                             | 24.5x46       |
| 2                | 850  | 205PHC850K     | 200              | 14                                            | 2.9                             | 29x46         |
| 2.2              | 250  | 225PHC250K     | 40               | 6                                             | 5.7                             | 13x34         |
| 2.2              | 250  | 225PHC250KG    | 50               | 6.5                                           | 5                               | 15x29         |
| 2.2              | 330  | 225PHC330KG    | 60               | 8                                             | 4.3                             | 17.5x29       |
| 2.2              | 330  | 225PHC330KJ    | 45               | 7.5                                           | 5.3                             | 15.5x34       |

| 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 DxL (mm) |
|------------------|------|----------------|------------------|-----------------------------------------------|---------------------------------|---------------|
| 2.2              | 400  | 225PHC400K     | 55               | 9                                             | 4.4                             | 18.5x34       |
| 2.2              | 600  | 225PHC600K     | 55               | 10                                            | 4.8                             | 21x46         |
| 2.2              | 600  | 225PHC600KJ    | 75               | 10.5                                          | 3.8                             | 24x34         |
| 2.2              | 700  | 225PHC700K     | 70               | 12.5                                          | 4.5                             | 25.5x46       |
| 2.2              | 850  | 225PHC850KR    | 125              | 14                                            | 3.8                             | 26.5x55       |
| 2.2              | 850  | 225PHC850KS    | 110              | 14                                            | 4.3                             | 25x59         |
| 2.2              | 850  | 225PHC850K     | 200              | 14                                            | 2.9                             | 30x46         |
| 2.5              | 250  | 255PHC250KG    | 50               | 7                                             | 4.8                             | 15.5x29       |
| 2.5              | 250  | 255PHC250K     | 40               | 7                                             | 5.4                             | 14x55         |
| 2.5              | 330  | 255PHC330KJ    | 45               | 8                                             | 5                               | 16.5x34       |
| 2.5              | 400  | 255PHC400K     | 55               | 9.5                                           | 4.2                             | 19x34         |
| 2.5              | 600  | 255PHC600K     | 55               | 10.5                                          | 4.4                             | 22x46         |
| 2.5              | 700  | 255PHC700K     | 70               | 13.5                                          | 4                               | 27x46         |
| 2.5              | 850  | 255PHC850KR    | 125              | 14                                            | 3.6                             | 28x55         |
| 2.5              | 850  | 255PHC850K     | 200              | 14                                            | 2.7                             | 32x46         |
| 2.5              | 850  | 255PHC850KS    | 110              | 14                                            | 4.1                             | 26.5x59       |
| 3                | 250  | 305PHC250K     | 40               | 7                                             | 4.8                             | 15x34         |
| 3                | 250  | 305PHC250KG    | 50               | 7.5                                           | 4.4                             | 17x29         |
| 3                | 330  | 305PHC330KJ    | 45               | 9                                             | 4.4                             | 18.5x34       |
| 3                | 400  | 305PHC400K     | 55               | 10.5                                          | 3.8                             | 21x34         |
| 3                | 600  | 305PHC600K     | 55               | 10.5                                          | 4.2                             | 24x46         |
| 3                | 700  | 305PHC700K     | 70               | 12                                            | 6.1                             | 29x46         |
| 3                | 850  | 305PHC850K     | 200              | 14                                            | 2.4                             | 34.5x46       |
| 3                | 850  | 305PHC850KR    | 125              | 14                                            | 3.2                             | 30.5x55       |
| 3                | 850  | 305PHC850KS    | 110              | 14                                            | 3.6                             | 29x59         |
| 3.3              | 250  | 335PHC250K     | 40               | 8                                             | 4.4                             | 15.5x34       |
| 3.3              | 330  | 335PHC330KJ    | 45               | 9                                             | 4.3                             | 19x34         |
| 3.3              | 400  | 335PHC400K     | 55               | 10.5                                          | 3.7                             | 22x34         |
| 3.3              | 400  | 335PHC400KN    | 40               | 10.5                                          | 4.3                             | 19x46         |
| 3.3              | 600  | 335PHC600K     | 55               | 10.5                                          | 3.8                             | 25x46         |
| 3.3              | 700  | 335PHC700K     | 70               | 12                                            | 5.9                             | 30.5x46       |
| 3.3              | 850  | 335PHC850K     | 125              | 14                                            | 3.1                             | 32x55         |
| 3.3              | 850  | 335PHC850KS    | 110              | 14                                            | 3.5                             | 30x59         |
| 4                | 250  | 405PHC250K     | 40               | 9                                             | 3.8                             | 17x34         |
| 4                | 330  | 405PHC330KJ    | 45               | 10.5                                          | 3.8                             | 20.5x34       |
| 4                | 400  | 405PHC400K     | 40               | 10.5                                          | 3.8                             | 20.5x46       |
| 4                | 400  | 405PHC400KJ    | 55               | 10.5                                          | 3.3                             | 24x34         |
| 4                | 600  | 405PHC600K     | 55               | 13.5                                          | 3.6                             | 27x46         |
| 4                | 700  | 405PHC700K     | 70               | 13.5                                          | 5.4                             | 33.5x46       |
| 4                | 700  | 405PHC700KR    | 60               | 12.5                                          | 6.7                             | 29x55         |
| 4                | 700  | 405PHC700KS    | 45               | 12                                            | 7.7                             | 27.5x59       |
| 4                | 850  | 405PHC850KS    | 110              | 14                                            | 3.1                             | 33x59         |
| 4                | 850  | 405PHC850K     | 125              | 14                                            | 2.8                             | 35x55         |
| 4.7              | 250  | 475PHC250KJ    | 40               | 10                                            | 3.5                             | 18x34         |
| 4.7              | 330  | 475PHC330KJ    | 45               | 10.5                                          | 3.3                             | 22x34         |
| 4.7              | 330  | 475PHC330KN    | 30               | 10.5                                          | 4.2                             | 19x46         |
| 4.7              | 400  | 475PHC400K     | 40               | 9.5                                           | 7.6                             | 22x46         |
| 4.7              | 600  | 475PHC600K     | 55               | 12                                            | 6.4                             | 29x46         |
| 4.7              | 600  | 475PHC600KS    | 40               | 11                                            | 8.6                             | 24.5x59       |
| 4.7              | 600  | 475PHC600KR    | 50               | 11.5                                          | 7.7                             | 26.5x55       |
| 4.7              | 700  | 475PHC700KS    | 45               | 12                                            | 7                               | 29.5x59       |
| 4.7              | 700  | 475PHC700K     | 60               | 13                                            | 6.1                             | 31x55         |
| 4.7              | 850  | 475PHC850K     | 125              | 14                                            | 2.5                             | 37x55         |
| 4.7              | 850  | 475PHC850KS    | 110              | 14                                            | 2.8                             | 35.5x59       |
| 5                | 250  | 505PHC250K     | 40               | 10                                            | 3.4                             | 18.5x34       |
| 5                | 330  | 505PHC330KJ    | 45               | 10.5                                          | 3.2                             | 22.5x34       |
| 5                | 330  | 505PHC330KN    | 30               | 10.5                                          | 4.1                             | 19.5x46       |
| 5                | 400  | 505PHC400K     | 40               | 10                                            | 7.4                             | 22.5x46       |

# PHC

High Frequency Metallized  
Polypropylene Axial Lead

| Capacitance<br>( $\mu$ F) | WVDC | IC PART NUMBER | dv/dt<br>(v/ $\mu$ sec.) | Maximum<br>RMS Ripple<br>Current (A)<br>100 kHz,<br>+70°C | Typical<br>ESR (m $\Omega$ )<br>100 kHz,<br>+25°C | Dims D $\times$ L<br>(mm) |
|---------------------------|------|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------------------|---------------------------|
| 5                         | 600  | 505PHC600K     | 50                       | 12                                                        | 7.4                                               | 27x55                     |
| 5                         | 600  | 505PHC600KN    | 55                       | 12.5                                                      | 6.3                                               | 29.5x46                   |
| 5                         | 600  | 505PHC600KS    | 40                       | 11.5                                                      | 8.3                                               | 25x59                     |
| 5                         | 700  | 505PHC700KS    | 45                       | 12.5                                                      | 6.6                                               | 30.5x59                   |
| 5                         | 700  | 505PHC700K     | 60                       | 13.5                                                      | 5.8                                               | 32x55                     |
| 5                         | 850  | 505PHC850K     | 125                      | 14                                                        | 2.4                                               | 38x55                     |
| 5                         | 850  | 505PHC850KS    | 110                      | 14                                                        | 2.7                                               | 36.5x59                   |
| 6.8                       | 250  | 685PHC250K     | 40                       | 10.5                                                      | 3.1                                               | 21x34                     |
| 6.8                       | 330  | 685PHC330KN    | 30                       | 10.5                                                      | 3.6                                               | 22x46                     |
| 6.8                       | 400  | 685PHC400K     | 40                       | 11                                                        | 6.4                                               | 26x46                     |
| 6.8                       | 600  | 685PHC600K     | 50                       | 12.5                                                      | 6.5                                               | 30x55                     |
| 6.8                       | 600  | 685PHC600KS    | 40                       | 12                                                        | 7.3                                               | 28.5x59                   |
| 6.8                       | 700  | 685PHC700KS    | 45                       | 14                                                        | 5.8                                               | 35x59                     |
| 6.8                       | 700  | 685PHC700K     | 60                       | 14                                                        | 5.1                                               | 37x55                     |
| 6.8                       | 850  | 685PHC850KS    | 110                      | 14                                                        | 2.3                                               | 41.5x59                   |
| 8.2                       | 700  | 825PHC700KS    | 45                       | 14                                                        | 5.3                                               | 38x59                     |
| 8.2                       | 700  | 825PHC700K     | 60                       | 14                                                        | 4.6                                               | 41x55                     |
| 10                        | 250  | 106PHC250KN    | 25                       | 10.5                                                      | 3.3                                               | 21.5x46                   |
| 10                        | 250  | 106PHC250K     | 40                       | 10.5                                                      | 2.5                                               | 24x34                     |
| 10                        | 330  | 106PHC330KN    | 30                       | 11                                                        | 6.7                                               | 26x46                     |
| 10                        | 400  | 106PHC400KS    | 25                       | 11                                                        | 7.1                                               | 26x59                     |
| 10                        | 400  | 106PHC400K     | 30                       | 12                                                        | 6.3                                               | 27x55                     |
| 10                        | 400  | 106PHC400KN    | 40                       | 13                                                        | 5.4                                               | 31x46                     |
| 10                        | 600  | 106PHC600K     | 50                       | 14                                                        | 5.4                                               | 35x55                     |
| 10                        | 600  | 106PHC600KS    | 40                       | 14                                                        | 6.1                                               | 33.5x59                   |
| 10                        | 700  | 106PHC700KS    | 45                       | 14                                                        | 4.9                                               | 41.5x59                   |
| 12.5                      | 600  | 126PHC600KS    | 40                       | 14                                                        | 5.5                                               | 37.5x59                   |
| 12.5                      | 600  | 126PHC600K     | 50                       | 14                                                        | 4.9                                               | 40.5x55                   |
| 15                        | 250  | 156PHC250K     | 25                       | 14                                                        | 2.7                                               | 25.5x46                   |
| 15                        | 330  | 156PHC330KN    | 30                       | 13                                                        | 5.4                                               | 31x46                     |
| 15                        | 330  | 156PHC330KR    | 25                       | 12.5                                                      | 6                                                 | 28x55                     |
| 15                        | 330  | 156PHC330KS    | 20                       | 12                                                        | 6.8                                               | 26.5x59                   |
| 15                        | 400  | 156PHC400KS    | 25                       | 14                                                        | 5.6                                               | 31x59                     |

| Capacitance<br>( $\mu$ F) | WVDC | IC PART NUMBER | dv/dt<br>(v/ $\mu$ sec.) | Maximum<br>RMS Ripple<br>Current (A)<br>100 kHz,<br>+70°C | Typical<br>ESR (m $\Omega$ )<br>100 kHz,<br>+25°C | Dims D $\times$ L<br>(mm) |
|---------------------------|------|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------------------|---------------------------|
| 15                        | 400  | 156PHC400K     | 30                       | 14                                                        | 5                                                 | 33x55                     |
| 15                        | 600  | 156PHC600KS    | 40                       | 14                                                        | 5.1                                               | 41x59                     |
| 20                        | 250  | 206PHC250K     | 25                       | 14                                                        | 5                                                 | 29x46                     |
| 20                        | 330  | 206PHC330KR    | 25                       | 14                                                        | 5.1                                               | 31.5x55                   |
| 20                        | 330  | 206PHC330KS    | 20                       | 13.5                                                      | 5.8                                               | 30x59                     |
| 20                        | 400  | 206PHC400KS    | 25                       | 14                                                        | 4.7                                               | 35x59                     |
| 20                        | 400  | 206PHC400K     | 30                       | 14                                                        | 4.3                                               | 37x55                     |
| 22                        | 250  | 226PHC250KN    | 25                       | 14                                                        | 4.7                                               | 30.5x46                   |
| 22                        | 330  | 226PHC330KR    | 25                       | 14                                                        | 4.8                                               | 33x55                     |
| 22                        | 330  | 226PHC330KS    | 20                       | 14                                                        | 5.4                                               | 31x59                     |
| 22                        | 400  | 226PHC400KR    | 30                       | 14                                                        | 4.1                                               | 39x55                     |
| 22                        | 400  | 226PHC400KS    | 25                       | 14                                                        | 4.5                                               | 37x59                     |
| 25                        | 250  | 256PHC250K     | 25                       | 14                                                        | 4.4                                               | 32x46                     |
| 25                        | 330  | 256PHC330KR    | 25                       | 14                                                        | 4.5                                               | 35x55                     |
| 25                        | 330  | 256PHC330KS    | 20                       | 14                                                        | 5                                                 | 33x59                     |
| 25                        | 400  | 256PHC400KS    | 25                       | 14                                                        | 4.2                                               | 39x59                     |
| 25                        | 400  | 256PHC400K     | 30                       | 14                                                        | 3.8                                               | 41.5x55                   |
| 30                        | 250  | 306PHC250KS    | 15                       | 14                                                        | 5.3                                               | 29.5x59                   |
| 30                        | 250  | 306PHC250K     | 20                       | 14                                                        | 4.5                                               | 31x55                     |
| 30                        | 330  | 306PHC330KR    | 25                       | 14                                                        | 4.1                                               | 38x55                     |
| 30                        | 330  | 306PHC330KS    | 20                       | 14                                                        | 4.5                                               | 36x59                     |
| 33                        | 250  | 336PHC250KR    | 20                       | 14                                                        | 4.3                                               | 32.5x55                   |
| 33                        | 250  | 336PHC250KS    | 15                       | 14                                                        | 5                                                 | 31x59                     |
| 33                        | 330  | 336PHC330KR    | 25                       | 14                                                        | 3.9                                               | 39.5x55                   |
| 33                        | 330  | 336PHC330KS    | 20                       | 14                                                        | 4.3                                               | 37.5x59                   |
| 35                        | 330  | 356PHC330KR    | 25                       | 14                                                        | 3.8                                               | 41x55                     |
| 35                        | 330  | 356PHC330KS    | 20                       | 14                                                        | 4.2                                               | 38.5x59                   |
| 40                        | 250  | 406PHC250KS    | 15                       | 14                                                        | 4.5                                               | 33.5x59                   |
| 40                        | 250  | 406PHC250K     | 20                       | 14                                                        | 3.9                                               | 36x55                     |
| 40                        | 330  | 406PHC330KS    | 20                       | 14                                                        | 3.9                                               | 41x59                     |
| 50                        | 250  | 506PHC250KS    | 15                       | 14                                                        | 3.9                                               | 37x59                     |
| 50                        | 250  | 506PHC250K     | 20                       | 14                                                        | 3.5                                               | 40x55                     |
| 60                        | 250  | 606PHC250KS    | 15                       | 14                                                        | 3.5                                               | 40x59                     |