

RXK Series

Features

- 105°C, 2,000 ~ 5,000 hours assured
- Low ESR, suitable for switching power supplies
- Smaller size with large permissible ripple current
- RoHS Compliance



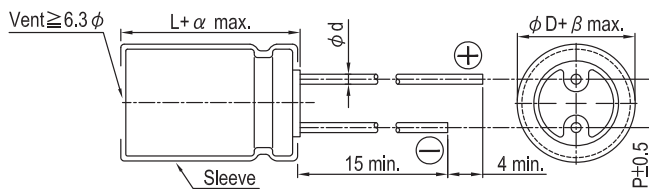
Sleeve & Marking Color: Black & Golden

Specifications

| Items | Performance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|----------------------|---|--------------------|------------------------------|------|-----------------------------------|-----------------|------------------------|-----------------------------------|------|------|------|------|------|----------|------|------|------|------|------|------|-------------|------|------|------|------|------|------|----------------|------|------|------|------|------|------|
| Category Temperature Range | -55°C ~ +105°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Tolerance | ±20% (at 120Hz, 20°C) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current (at 20°C) | I = 0.01CV or 3 (μA) whichever is greater (after 2 minutes) Where, C = rated capacitance in μF, V = rated DC working voltage in V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tanδ (at 120Hz, 20°C) | <table border="1"> <thead> <tr> <th>Rated Voltage</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>Tanδ (max)</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> </tr> </tbody> </table> <p>When the capacitance exceeds 1,000μF, 0.02 shall be added every 1,000μF increase.</p> | Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | Tanδ (max) | 0.22 | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | | | | | | | | | | | | | | | | | | | |
| Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tanδ (max) | 0.22 | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Low Temperature Characteristics (at 120Hz) | <p>Impedance ratio shall not exceed the values given in the table below.</p> <table border="1"> <thead> <tr> <th>Rated Voltage</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>Impedance Ratio Z(-55°C)/Z(+20°C)</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table> | Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | Impedance Ratio Z(-55°C)/Z(+20°C) | 4 | 4 | 3 | 3 | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | | |
| Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Impedance Ratio Z(-55°C)/Z(+20°C) | 4 | 4 | 3 | 3 | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endurance | <table border="1"> <thead> <tr> <th>Test Time</th> <td>2,000 Hrs for φD ≤ 6.3 mm; 3,000 Hrs for φD = 8 mm; 4,000 Hrs for φD = 10 mm; 5,000 Hrs for φD ≥ 12.5 mm</td> </tr> <tr> <th>Capacitance Change</th> <td>Within ±20% of initial value</td> </tr> <tr> <th>Tanδ</th> <td>Less than 200% of specified value</td> </tr> <tr> <th>Leakage Current</th> <td>Within specified value</td> </tr> </thead> </table> <p>* The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied with rated ripple current for 2,000 ~ 5,000 hours at 105°C.</p> | Test Time | 2,000 Hrs for φD ≤ 6.3 mm; 3,000 Hrs for φD = 8 mm; 4,000 Hrs for φD = 10 mm; 5,000 Hrs for φD ≥ 12.5 mm | Capacitance Change | Within ±20% of initial value | Tanδ | Less than 200% of specified value | Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Time | 2,000 Hrs for φD ≤ 6.3 mm; 3,000 Hrs for φD = 8 mm; 4,000 Hrs for φD = 10 mm; 5,000 Hrs for φD ≥ 12.5 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Change | Within ±20% of initial value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tanδ | Less than 200% of specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shelf Life Test | <table border="1"> <thead> <tr> <th>Test Time</th> <td>1,000 Hrs</td> </tr> <tr> <th>Capacitance Change</th> <td>Within ±20% of initial value</td> </tr> <tr> <th>Tanδ</th> <td>Less than 200% of specified value</td> </tr> <tr> <th>Leakage Current</th> <td>Within specified value</td> </tr> </thead> </table> <p>* The above specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied.</p> | Test Time | 1,000 Hrs | Capacitance Change | Within ±20% of initial value | Tanδ | Less than 200% of specified value | Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Time | 1,000 Hrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Change | Within ±20% of initial value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tanδ | Less than 200% of specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ripple Current and Frequency Multipliers | <table border="1"> <thead> <tr> <th>Cap.(μF) \ Freq.(Hz)</th> <th>60 (50)</th> <th>120</th> <th>500</th> <th>1k</th> <th>10k</th> <th>100k</th> </tr> </thead> <tbody> <tr> <td>Under 33</td> <td>0.40</td> <td>0.55</td> <td>0.65</td> <td>0.80</td> <td>0.90</td> <td>1.00</td> </tr> <tr> <td>39 ~ 330</td> <td>0.60</td> <td>0.70</td> <td>0.80</td> <td>0.90</td> <td>0.95</td> <td>1.00</td> </tr> <tr> <td>390 ~ 1,000</td> <td>0.65</td> <td>0.80</td> <td>0.85</td> <td>0.98</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>1,200 up above</td> <td>0.80</td> <td>0.90</td> <td>0.95</td> <td>0.98</td> <td>1.00</td> <td>1.00</td> </tr> </tbody> </table> | Cap.(μF) \ Freq.(Hz) | 60 (50) | 120 | 500 | 1k | 10k | 100k | Under 33 | 0.40 | 0.55 | 0.65 | 0.80 | 0.90 | 1.00 | 39 ~ 330 | 0.60 | 0.70 | 0.80 | 0.90 | 0.95 | 1.00 | 390 ~ 1,000 | 0.65 | 0.80 | 0.85 | 0.98 | 1.00 | 1.00 | 1,200 up above | 0.80 | 0.90 | 0.95 | 0.98 | 1.00 | 1.00 |
| Cap.(μF) \ Freq.(Hz) | 60 (50) | 120 | 500 | 1k | 10k | 100k | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Under 33 | 0.40 | 0.55 | 0.65 | 0.80 | 0.90 | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 ~ 330 | 0.60 | 0.70 | 0.80 | 0.90 | 0.95 | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 390 ~ 1,000 | 0.65 | 0.80 | 0.85 | 0.98 | 1.00 | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,200 up above | 0.80 | 0.90 | 0.95 | 0.98 | 1.00 | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Radial

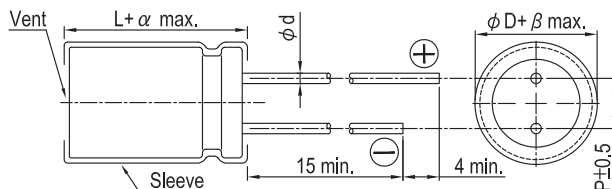
Diagram of Dimensions



Lead Spacing and Diameter Unit: mm

| | 5 | 6.3 | 8 | 10 | 12.5 | 16 | 18 |
|----|--------------------------|-----|-----|-----|------|-----|-----|
| φD | 5 | 6.3 | 8 | 10 | 12.5 | 16 | 18 |
| P | 2.0 | 2.5 | 3.5 | 5.0 | 5.0 | 7.5 | 7.5 |
| φd | 0.5 | | 0.6 | | | 0.8 | |
| α | L < 20: 1.5, L ≥ 20: 2.0 | | | | | | |
| β | 0.5 | | | | | | |

The case size of 16×20 is suitable for below diagram:





Dimension: $\phi D \times L$ (mm)

Ripple Current: mA/rms at 100k Hz, 105°C

Dimension and Permissible Ripple Current

| Cap. (μ F) | Contents | 6.3V (0J) | | | | 10V (1A) | | | | 16V (1C) | | | | | | |
|-----------------|----------|-------------------|--------------------------------------|-------|--------------------------------|----------|-------------------|--------------------------------------|-------|--------------------------------|---------|-------------------|--------------------------------------|-------|--------------------------------|---------|
| | | $\phi D \times L$ | Impedance (Ω , max./100k Hz) | | Ripple Current (mA/rms, 105°C) | | $\phi D \times L$ | Impedance (Ω , max./100k Hz) | | Ripple Current (mA/rms, 105°C) | | $\phi D \times L$ | Impedance (Ω , max./100k Hz) | | Ripple Current (mA/rms, 105°C) | |
| | | | 20°C | -10°C | 120 Hz | 100k Hz | | 20°C | -10°C | 120 Hz | 100k Hz | | 20°C | -10°C | 120 Hz | 100k Hz |
| 56 | | | | | | | | | | | | 5×11 | 0.72 | 1.8 | 116 | 165 |
| 68 | | | | | | | | | | | | 5×11 | 0.72 | 1.8 | 126 | 180 |
| 82 | | | | | | 5×11 | 0.72 | 1.8 | 116 | 165 | | | | | | |
| 100 | | | | | | 5×11 | 0.72 | 1.8 | 126 | 180 | | | | | | |
| 120 | | 5×11 | 0.72 | 1.8 | 116 | 165 | | | | | | 6.3×11 | 0.38 | 0.95 | 179 | 255 |
| 180 | | | | | | | 6.3×11 | 0.38 | 0.95 | 179 | 255 | 6.3×15 | 0.27 | 0.68 | 231 | 330 |
| 220 | | 6.3×11 | 0.38 | 0.95 | 179 | 255 | 6.3×11 | 0.38 | 0.95 | 196 | 280 | | | | | |
| 270 | | 6.3×11 | 0.38 | 0.95 | 196 | 280 | 6.3×15 | 0.27 | 0.68 | 231 | 330 | 8×11.5 | 0.20 | 0.50 | 291 | 415 |
| 330 | | 6.3×15 | 0.27 | 0.68 | 231 | 330 | 8×11.5 | 0.20 | 0.50 | 291 | 415 | 10×12.5 | 0.12 | 0.30 | 438 | 625 |
| 390 | | 8×11.5 | 0.20 | 0.50 | 332 | 415 | 8×11.5 | 0.20 | 0.50 | 360 | 450 | 8×11.5 | 0.20 | 0.50 | 315 | 450 |
| 470 | | 8×11.5 | 0.20 | 0.50 | 360 | 450 | 10×12.5 | 0.12 | 0.30 | 500 | 625 | 8×15 | 0.16 | 0.40 | 347 | 495 |
| 560 | | 8×15 | 0.16 | 0.40 | 396 | 495 | 8×15 | 0.16 | 0.40 | 472 | 590 | 10×12.5 | 0.12 | 0.30 | 540 | 675 |
| 680 | | 10×16 | 0.084 | 0.21 | 660 | 825 | 8×15 | 0.16 | 0.40 | 472 | 590 | 8×11.5 | 0.20 | 0.50 | 315 | 450 |
| 820 | | 8×15 | 0.16 | 0.40 | 472 | 590 | 8×20 | 0.11 | 0.28 | 560 | 700 | 10×16 | 0.084 | 0.21 | 660 | 825 |
| 1,000 | | 8×20 | 0.11 | 0.28 | 560 | 700 | 10×16 | 0.084 | 0.21 | 660 | 825 | 8×20 | 0.11 | 0.28 | 560 | 700 |
| 1,200 | | 10×20 | 0.062 | 0.16 | 936 | 1,040 | 10×20 | 0.062 | 0.16 | 1,017 | 1,130 | 10×16 | 0.084 | 0.21 | 660 | 825 |
| 1,500 | | 10×20 | 0.062 | 0.16 | 1,017 | 1,130 | 10×25 | 0.052 | 0.13 | 1,134 | 1,260 | 10×20 | 0.062 | 0.16 | 904 | 1,130 |
| 1,800 | | 10×25 | 0.052 | 0.13 | 1,251 | 1,390 | 10×30 | 0.044 | 0.11 | 1,296 | 1,440 | 10×25 | 0.052 | 0.13 | 1,008 | 1,260 |
| 2,200 | | 10×30 | 0.044 | 0.11 | 1,296 | 1,440 | 12.5×20 | 0.046 | 0.12 | 1,305 | 1,450 | 12.5×20 | 0.046 | 0.12 | 1,206 | 1,340 |
| 2,700 | | 12.5×20 | 0.046 | 0.12 | 1,305 | 1,450 | 12.5×25 | 0.034 | 0.085 | 1,521 | 1,690 | 12.5×25 | 0.034 | 0.085 | 1,521 | 1,690 |
| 3,300 | | 12.5×25 | 0.034 | 0.085 | 1,629 | 1,810 | 12.5×30 | 0.030 | 0.075 | 1,755 | 1,950 | 12.5×30 | 0.030 | 0.075 | 1,755 | 1,950 |
| 3,900 | | 12.5×30 | 0.030 | 0.075 | 1,755 | 1,950 | 12.5×35 | 0.027 | 0.068 | 1,917 | 2,130 | 12.5×35 | 0.027 | 0.068 | 1,917 | 2,130 |
| 4,700 | | 12.5×35 | 0.027 | 0.068 | 1,980 | 2,200 | 16×20 | 0.035 | 0.087 | 1,692 | 1,880 | 16×20 | 0.035 | 0.087 | 1,440 | 1,600 |
| 5,600 | | 12.5×40 | 0.024 | 0.060 | 2,196 | 2,440 | 16×25 | 0.028 | 0.070 | 1,863 | 2,070 | 16×25 | 0.028 | 0.070 | 1,863 | 2,070 |
| 6,800 | | 16×25 | 0.028 | 0.070 | 2,025 | 2,250 | 16×31.5 | 0.025 | 0.063 | 2,115 | 2,350 | 16×31.5 | 0.025 | 0.063 | 2,115 | 2,350 |
| 8,200 | | 16×31.5 | 0.025 | 0.063 | 2,295 | 2,550 | 16×40 | 0.024 | 0.060 | 2,358 | 2,620 | 16×40 | 0.024 | 0.060 | 2,358 | 2,620 |
| 10,000 | | 16×35.5 | 0.022 | 0.055 | 2,691 | 2,990 | 16×40 | 0.024 | 0.060 | 2,358 | 2,620 | 16×40 | 0.024 | 0.060 | 2,358 | 2,620 |

Radial



Dimension: $\phi D \times L$ (mm)

Ripple Current: mA/rms at 100k Hz, 105°C

Dimension and Permissible Ripple Current

| Rated Volt. V_{DC} Cap. (μF) | Contents | 25V (1E) | | | | 35V (1V) | | | | 50V (1H) | | | | | | |
|---|-----------------------------|-------------------------|---|-------------------------|-----------------------------------|-----------------------------|-------------------------|---|-------------------------|-----------------------------------|-----------------------------|-------------------------|---|-------------------------|-----------------------------------|---------|
| | | $\phi D \times L$ | Impedance (Ω , max./100k Hz) | | Ripple Current (mA/rms, 105°C) | | $\phi D \times L$ | Impedance (Ω , max./100k Hz) | | Ripple Current (mA/rms, 105°C) | | $\phi D \times L$ | Impedance (Ω , max./100k Hz) | | Ripple Current (mA/rms, 105°C) | |
| | | | 20°C | -10°C | 120 Hz | 100k Hz | | 20°C | -10°C | 120 Hz | 100k Hz | | 20°C | -10°C | 120 Hz | 100k Hz |
| 18 | | | | | | | | | | | 5×11 | 1.1 | 3.3 | 72 | 130 | |
| 22 | | | | | | | | | | | 5×11 | 1.1 | 3.3 | 83 | 150 | |
| 27 | | | | | | 5×11 | 0.72 | 1.8 | 91 | 165 | | | | | | |
| 33 | | | | | | 5×11 | 0.72 | 1.8 | 99 | 180 | | | | | | |
| 39 | 5×11 | 0.72 | 1.8 | 116 | 165 | | | | | | 6.3×11 | 0.56 | 1.6 | 154 | 220 | |
| 47 | 5×11 | 0.72 | 1.8 | 126 | 180 | | | | | | 6.3×11 | 0.56 | 1.6 | 161 | 230 | |
| 56 | | | | | | 6.3×11 | 0.38 | 0.95 | 179 | 255 | 6.3×15 | 0.41 | 1.2 | 217 | 310 | |
| 68 | | | | | | 6.3×11 | 0.38 | 0.95 | 196 | 280 | 8×11.5 | 0.29 | 0.84 | 238 | 340 | |
| 82 | 6.3×11 | 0.38 | 0.95 | 179 | 255 | 6.3×15 | 0.27 | 0.68 | 231 | 330 | 8×11.5 8×15 10×12.5 | 0.29 0.25 0.16 | 0.84 0.75 0.40 | 249 329 336 | 355 470 480 | |
| 100 | 6.3×11 | 0.38 | 0.95 | 196 | 280 | | | | | | 10×12.5 | 0.16 | 0.40 | 371 | 530 | |
| 120 | 6.3×15 | 0.27 | 0.68 | 231 | 330 | 8×11.5 10×12.5 | 0.20 0.12 | 0.50 0.30 | 291 438 | 415 625 | 8×15 8×20 10×16 | 0.25 0.18 0.12 | 0.75 0.52 0.30 | 392 427 529 | 560 610 755 | |
| 150 | 8×11.5 | 0.20 | 0.50 | 291 | 415 | 8×11.5 10×12.5 | 0.20 0.12 | 0.50 0.30 | 315 473 | 450 675 | 10×16 | 0.12 | 0.30 | 588 | 840 | |
| 180 | 8×11.5 10×12.5 | 0.20 0.12 | 0.50 0.30 | 315 438 | 450 625 | 8×15 | 0.16 | 0.40 | 347 | 495 | 8×20 10×20 | 0.18 0.088 | 0.52 0.22 | 525 662 | 750 945 | |
| 220 | 8×15 10×12.5 | 0.16 0.12 | 0.40 0.30 | 347 473 | 495 675 | 8×15 8×20 10×16 | 0.16 0.11 0.084 | 0.40 0.28 0.21 | 413 448 578 | 590 640 825 | 10×20 10×25 | 0.088 0.068 | 0.22 0.17 | 728 805 | 1,040 1,150 | |
| 270 | | | | | | 8×20 10×16 | 0.11 0.084 | 0.28 0.21 | 490 637 | 700 910 | 10×25 | 0.068 | 0.17 | 896 | 1,280 | |
| 330 | 8×15 8×20 10×16 | 0.16 0.11 0.084 | 0.40 0.28 0.21 | 413 448 578 | 590 640 825 | 10×20 | 0.062 | 0.16 | 728 | 1,040 | 10×30 12.5×20 | 0.059 0.059 | 0.15 0.15 | 882 833 | 1,260 1,190 | |
| 390 | 8×20 10×16 | 0.11 0.084 | 0.28 0.21 | 560 728 | 700 910 | 10×20 10×25 | 0.062 0.052 | 0.16 0.13 | 904 1,008 | 1,130 1,260 | 12.5×20 | 0.059 | 0.15 | 952 | 1,190 | |
| 470 | 10×20 | 0.062 | 0.16 | 832 | 1,040 | 10×25 | 0.052 | 0.13 | 1,112 | 1,390 | 10×30 12.5×25 | 0.059 0.045 | 0.15 0.11 | 1,176 1,192 | 1,470 1,490 | |
| 560 | 10×20 10×25 | 0.062 0.052 | 0.16 0.13 | 904 1,008 | 1,130 1,260 | 10×30 12.5×20 | 0.044 0.046 | 0.11 0.12 | 1,152 1,072 | 1,440 1,340 | 12.5×25 12.5×30 | 0.045 0.039 | 0.11 0.098 | 1,304 1,376 | 1,630 1,720 | |
| 680 | 10×25 | 0.052 | 0.13 | 1,112 | 1,390 | 10×30 12.5×20 12.5×25 | 0.044 0.046 0.034 | 0.11 0.12 0.085 | 1,256 1,160 1,352 | 1,570 1,450 1,690 | 12.5×30 12.5×35 16×20 | 0.039 0.033 0.048 | 0.098 0.083 0.120 | 1,520 1,512 1,248 | 1,800 1,900 1,560 | |
| 820 | 10×30 12.5×20 | 0.044 0.046 | 0.11 0.12 | 1,152 1,072 | 1,440 1,340 | 12.5×25 | 0.034 | 0.085 | 1,448 | 1,810 | 12.5×35 12.5×40 16×25 | 0.033 0.029 0.033 | 0.083 0.073 0.083 | 1,624 1,656 1,504 | 2,030 2,070 1,880 | |
| 1,000 | 10×30 12.5×20 12.5×25 | 0.044 0.046 0.034 | 0.11 0.12 0.085 | 1,256 1,160 1,352 | 1,570 1,450 1,690 | 12.5×30 16×20 | 0.030 0.035 | 0.075 0.087 | 1,560 1,376 | 1,950 1,720 | 12.5×40 16×25 16×31.5 | 0.029 0.033 0.029 | 0.073 0.083 0.073 | 1,800 1,664 1,720 | 2,250 2,080 2,150 | |
| 1,200 | 12.5×25 | 0.034 | 0.085 | 1,629 | 1,810 | 12.5×30 12.5×35 16×25 | 0.030 0.027 0.028 | 0.075 0.068 0.070 | 1,917 1,980 1,863 | 2,130 2,200 2,070 | 16×31.5 16×35.5 | 0.029 0.025 | 0.073 0.063 | 2,088 2,115 | 2,320 2,350 | |
| 1,500 | 12.5×30 16×20 | 0.030 0.035 | 0.075 0.087 | 1,755 1,539 | 1,950 1,710 | 12.5×35 12.5×40 16×25 | 0.027 0.024 0.028 | 0.068 0.060 0.070 | 2,151 2,196 2,025 | 2,390 2,440 2,250 | 16×35.5 16×40 | 0.025 0.021 | 0.063 0.063 | 2,160 2,336 | 2,400 2,595 | |
| 1,800 | 12.5×30 12.5×35 16×25 | 0.030 0.027 0.028 | 0.075 0.068 0.070 | 1,917 1,980 1,863 | 2,130 2,200 2,070 | 12.5×40 16×31.5 | 0.024 0.025 | 0.060 0.063 | 2,358 2,115 | 2,620 2,350 | 16×40 18×35.5 | 0.021 0.023 | 0.063 0.058 | 2,466 2,286 | 2,740 2,540 | |
| 2,200 | 12.5×35 12.5×40 16×25 | 0.027 0.024 0.028 | 0.068 0.060 0.070 | 2,151 2,196 2,025 | 2,390 2,440 2,250 | 16×31.5 16×35.5 | 0.025 0.022 | 0.063 0.055 | 2,295 2,295 | 2,550 2,550 | 18×35.5 18×40 | 0.023 0.020 | 0.058 0.050 | 2,349 2,385 | 2,610 2,650 | |
| 2,700 | 16×31.5 | 0.025 | 0.063 | 2,115 | 2,350 | 16×35.5 16×40 18×35.5 | 0.022 0.018 0.021 | 0.055 0.045 0.053 | 2,394 2,610 2,448 | 2,660 2,900 2,720 | | | | | | |
| 3,300 | 16×31.5 16×35.5 | 0.025 0.022 | 0.063 0.055 | 2,295 2,295 | 2,550 2,550 | 18×35.5 18×40 | 0.021 0.017 | 0.053 0.043 | 2,601 2,709 | 2,890 3,010 | | | | | | |
| 3,900 | 16×35.5 16×40 18×35.5 | 0.022 0.018 0.021 | 0.055 0.045 0.053 | 2,394 2,610 2,448 | 2,660 2,900 2,720 | 18×40 | 0.017 | 0.043 | 2,934 | 3,260 | | | | | | |
| 4,700 | 18×35.5 18×40 | 0.021 0.017 | 0.053 0.043 | 2,601 2,709 | 2,890 3,010 | | | | | | | | | | | |
| 5,600 | 18×40 | 0.017 | 0.043 | 2,934 | 3,260 | | | | | | | | | | | |

Radial



Dimension: $\phi D \times L(\text{mm})$
 Ripple Current: mA/rms at 100k Hz, 105°C

Dimension and Permissible Ripple Current

| Cap. (μF) | Contents | 63V(1J) | | | | |
|------------------------|----------|-------------------|--------------------------------------|-------|--------------------------------|---------|
| | | $\phi D \times L$ | Impedance (Ω , max./100k Hz) | | Ripple Current (mA/rms, 105°C) | |
| | | | 20°C | -10°C | 120 Hz | 100k Hz |
| 12 | 5×11 | 1.90 | 4.78 | 55 | 100 | |
| 27 | 6.3×11 | 1.10 | 2.78 | 88 | 160 | |
| 33 | 6.3×11 | 1.10 | 2.75 | 96 | 175 | |
| 39 | 6.3×15 | 0.62 | 1.55 | 161 | 230 | |
| 47 | 8×11.5 | 0.49 | 1.23 | 193 | 275 | |
| 56 | 8×11.5 | 0.49 | 1.23 | 203 | 290 | |
| | 10×12.5 | 0.27 | 0.675 | 294 | 420 | |
| 68 | 8×15 | 0.34 | 0.850 | 252 | 360 | |
| | 10×12.5 | 0.27 | 0.675 | 354 | 505 | |
| | 10×16 | 0.21 | 0.525 | 366 | 523 | |
| 82 | 8×20 | 0.21 | 0.525 | 350 | 500 | |
| 100 | 8×15 | 0.34 | 0.850 | 308 | 440 | |
| 120 | 10×16 | 0.210 | 0.525 | 455 | 650 | |
| | 10×20 | 0.160 | 0.400 | 490 | 700 | |
| 150 | 8×20 | 0.210 | 0.525 | 476 | 680 | |
| | 10×25 | 0.130 | 0.325 | 546 | 780 | |
| 180 | 10×20 | 0.160 | 0.400 | 553 | 790 | |
| | 10×30 | 0.100 | 0.250 | 672 | 960 | |
| 220 | 10×25 | 0.130 | 0.325 | 648 | 925 | |
| | 12.5×20 | 0.110 | 0.275 | 609 | 870 | |
| 270 | 10×30 | 0.100 | 0.250 | 812 | 1,160 | |
| | 12.5×25 | 0.074 | 0.185 | 805 | 1,150 | |
| 330 | 12.5×20 | 0.110 | 0.275 | 746 | 1,065 | |
| 390 | 12.5×25 | 0.074 | 0.185 | 1,088 | 1,280 | |
| | 12.5×30 | 0.068 | 0.170 | 1,024 | 1,360 | |
| 470 | 12.5×30 | 0.068 | 0.170 | 1,120 | 1,360 | |
| | 12.5×35 | 0.063 | 0.158 | 1,112 | 1,400 | |
| | 16×20 | 0.059 | 0.148 | 1,080 | 1,350 | |
| | 16×25 | 0.055 | 0.138 | 1,184 | 1,480 | |
| 560 | 12.5×40 | 0.051 | 0.128 | 1,224 | 1,530 | |
| | 16×25 | 0.055 | 0.138 | 1,296 | 1,620 | |
| 680 | 12.5×40 | 0.051 | 0.128 | 1,336 | 1,670 | |
| | 16×31.5 | 0.046 | 0.115 | 1,376 | 1,720 | |
| 820 | 12.5×40 | 0.051 | 0.128 | 1,480 | 1,850 | |
| | 16×31.5 | 0.046 | 0.115 | 1,512 | 1,890 | |
| | 16×35.5 | 0.040 | 0.100 | 1,528 | 1,910 | |
| 1,000 | 16×35.5 | 0.040 | 0.100 | 1,576 | 1,970 | |
| | 18×35.5 | 0.040 | 0.100 | 1,688 | 2,110 | |
| 1,500 | 18×35.5 | 0.040 | 0.100 | 2,169 | 2,410 | |

Part Numbering System

RXK Series 470 μF $\pm 20\%$ 6.3V Bulk Package Gas Type 8 $\phi \times 11.5L$ Pb-free and PET sleeve

RXK **471** **M** **0J** **BK** - **0811**

Series Name Capacitance Capacitance Tolerance Rated Voltage Lead Configuration & Package Rubber Type Case Size Lead Wire and Sleeve type

Note: For more details, please refer to "Part Numbering System (Radial Type)" on page 13.

Radial

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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