



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

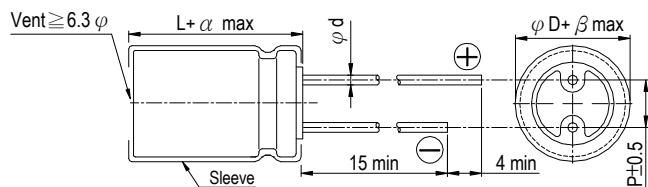


Sleeve & Marking Color: Black & Golden

Specifications

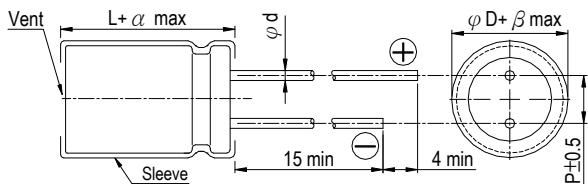
| Items | Performance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|------|------|------|------|------|------|------|----------------------------|---|--------------------|------------------------------|------|-----------------------------------|-----------------|------------------------|------|------|------|------|------|------|----------|------|------|------|------|------|------|-------------|------|------|------|------|------|------|----------------|------|------|------|------|------|------|
| Category Temperature Range | -55°C ~ +105°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Tolerance | ±20% (at 120Hz, 20°C) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current (at 20°C) | I = 0.01CV or 3 (μ A) whichever is greater (after 2 minutes) Where, C = rated capacitance in μ F V = rated DC working voltage in V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tanδ (at 120Hz, 20°C) | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | When the capacitance exceeds 1,000 μ F, 0.02 shall be added every 1,000 μ F increase. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Low Temperature Characteristics (at 120Hz) | Impedance ratio shall not exceed the values given in the table below. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 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"> <tr> <td>Test Time</td> <td>2,000 Hrs for $\phi D \leq 6.3$ mm; 3,000 Hrs for $\phi D = 8$ mm; 4,000 Hrs for $\phi D = 10$ mm; 5,000 Hrs for $\phi D \geq 12.5$ mm</td> </tr> <tr> <td>Capacitance Change</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>Tanδ</td> <td>Less than 200% of specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Within specified value</td> </tr> </table> | | | | | | | | Test Time | 2,000 Hrs for $\phi D \leq 6.3$ mm; 3,000 Hrs for $\phi D = 8$ mm; 4,000 Hrs for $\phi D = 10$ mm; 5,000 Hrs for $\phi D \geq 12.5$ 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 $\phi D \leq 6.3$ mm; 3,000 Hrs for $\phi D = 8$ mm; 4,000 Hrs for $\phi D = 10$ mm; 5,000 Hrs for $\phi D \geq 12.5$ mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Change | Within ±20% of initial value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tanδ | Less than 200% of specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | * 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shelf Life Test | <table border="1"> <tr> <td>Test Time</td> <td>1,000 Hrs</td> </tr> <tr> <td>Capacitance Change</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>Tanδ</td> <td>Less than 200% of specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Within specified value</td> </tr> </table> | | | | | | | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | * 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ripple Current & Frequency Multipliers | <table border="1"> <tr> <td>Cap.(μF) \ Freq.(Hz)</td> <td>60 (50)</td><td>120</td><td>500</td><td>1k</td><td>10k</td><td>100k</td> </tr> <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> </table> | | | | | | | | Cap.(μ F) \ 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.(μ F) \ 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Diagram of Dimensions



| Lead Spacing and Diameter Unit: mm | | | | | | |
|------------------------------------|----------------------|-----|-----|-----|------|-----|
| φD | 5 | 6.3 | 8 | 10 | 12.5 | 16 |
| P | 2.0 | 2.5 | 3.5 | 5.0 | 5.0 | 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: $\phi D \times L(\text{mm})$

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

Dimension & Permissible Ripple Current

| V. DC μF | 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 10×12.5 | 0.20 0.12 | 0.50 0.30 | 291 | 415 |
| 330 | 6.3×15 | 0.27 | 0.68 | 231 | 330 | 8×11.5 | 0.20 | 0.50 | 291 | 415 | 8×11.5 8×15 10×12.5 | 0.20 0.16 0.12 | 0.50 0.40 0.30 | 315 | 450 |
| 390 | 8×11.5 | 0.20 | 0.50 | 332 | 415 | 8×11.5 10×12.5 | 0.20 0.12 | 0.50 | 360 | 450 | | | | | |
| 470 | 8×11.5 10×12.5 | 0.20 0.12 | 0.50 0.30 | 360 500 | 450 625 | 8×15 10×12.5 | 0.16 0.12 | 0.40 0.30 | 396 | 495 | 8×15 8×20 10×16 | 0.16 0.11 0.084 | 0.40 0.28 0.21 | 472 | 590 |
| 560 | 8×15 10×12.5 | 0.16 0.12 | 0.40 0.30 | 396 540 | 495 675 | 8×15 | 0.16 | 0.40 | 472 | 590 | 8×20 10×16 | 0.11 0.084 | 0.28 0.21 | 560 | 700 |
| 680 | 10×16 | 0.084 | 0.21 | 660 | 825 | 8×20 10×16 | 0.11 0.084 | 0.28 0.21 | 512 | 640 | 10×20 | 0.062 | 0.16 | 832 | 1,040 |
| 820 | 8×15 8×20 10×16 | 0.16 0.11 0.084 | 0.40 0.28 0.21 | 472 512 728 | 590 640 910 | 8×20 10×16 | 0.11 0.084 | 0.28 0.21 | 560 | 700 | 10×20 10×25 | 0.062 0.052 | 0.16 0.13 | 904 | 1,130 |
| 1,000 | 8×20 | 0.11 | 0.28 | 560 | 700 | 10×20 | 0.062 | 0.16 | 832 | 1,040 | 10×25 | 0.052 | 0.13 | 1,112 | 1,390 |
| 1,200 | 10×20 | 0.062 | 0.16 | 936 | 1,040 | 10×20 10×25 | 0.062 0.052 | 0.16 0.13 | 1,017 | 1,130 | 10×30 12.5×20 | 0.044 0.046 | 0.11 0.12 | 1,296 | 1,440 |
| 1,500 | 10×20 10×25 | 0.062 0.052 | 0.16 0.13 | 1,017 1,134 | 1,130 1,260 | 10×25 10×30 | 0.052 0.044 | 0.13 0.11 | 1,251 | 1,390 | 10×30 12.5×20 12.5×25 | 0.044 0.046 0.034 | 0.11 0.12 0.085 | 1,413 | 1,570 |
| 1,800 | 10×25 | 0.052 | 0.13 | 1,251 | 1,390 | 10×30 12.5×20 | 0.044 0.046 | 0.11 0.12 | 1,413 | 1,570 | 12.5×25 | 0.034 | 0.085 | 1,629 | 1,810 |
| 2,200 | 10×30 12.5×20 | 0.044 0.046 | 0.11 0.12 | 1,296 1,206 | 1,440 1,340 | 12.5×20 12.5×25 | 0.046 0.034 | 0.12 0.085 | 1,305 | 1,450 | 12.5×30 16×20 | 0.030 0.035 | 0.075 0.087 | 1,755 | 1,950 |
| 2,700 | 10×30 12.5×20 12.5×25 | 0.044 0.046 0.034 | 0.11 0.12 0.085 | 1,413 1,305 1,521 | 1,570 1,450 1,690 | 12.5×25 12.5×30 | 0.034 0.030 | 0.085 0.075 | 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 | 2,130 |
| 3,300 | 12.5×25 | 0.034 | 0.085 | 1,629 | 1,810 | 12.5×30 12.5×35 | 0.030 0.027 | 0.075 0.068 | 1,917 | 2,130 | 12.5×35 12.5×40 16×25 | 0.027 0.024 0.028 | 0.068 0.060 0.070 | 2,151 | 2,390 |
| 3,900 | 12.5×30 | 0.030 | 0.075 | 1,755 | 1,950 | 12.5×35 12.5×40 16×20 16×25 | 0.027 0.024 0.035 0.028 | 0.068 0.060 0.087 0.070 | 2,196 | 2,390 | | | | 2,196 | 2,440 |
| 4,700 | 12.5×30 12.5×35 16×20 | 0.030 0.027 0.035 | 0.075 0.068 0.087 | 1,917 1,980 1,44 | 2,130 2,200 1,600 | 12.5×40 16×25 | 0.024 0.028 | 0.060 0.070 | 2,358 | 2,620 | 16×31.5 16×35.5 | 0.025 0.022 | 0.055 0.055 | 2,295 | 2,550 |
| 5,600 | 12.5×35 12.5×40 16×25 | 0.027 0.024 0.028 | 0.068 0.060 0.070 | 2,151 2,196 1,863 | 2,390 2,440 2,070 | 16×31.5 | 0.025 | 0.063 | 2,115 | 2,350 | 16×35.5 16×40 | 0.022 0.018 | 0.055 0.045 | 2,394 | 2,660 |
| 6,800 | 12.5×40 16×25 16×31.5 | 0.024 0.028 0.025 | 0.060 0.070 0.063 | 2,358 2,295 2,115 | 2,620 2,250 2,350 | 16×31.5 16×35.5 | 0.025 0.022 | 0.063 0.055 | 2,295 | 2,550 | 16×40 18×35.5 | 0.018 0.021 | 0.045 0.053 | 2,844 | 3,160 |
| 8,200 | 16×31.5 | 0.025 | 0.063 | 2,295 | 2,550 | 16×35.5 | 0.022 | 0.055 | 2,448 | 2,720 | 18×35.5 | 0.021 | 0.053 | 2,601 | 2,890 |
| 10,000 | 16×35.5 | 0.022 | 0.055 | 2,691 | 2,990 | | | | | | | | | | |

Dimension: $\phi D \times L(\text{mm})$

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

Dimension & Permissible Ripple Current

| V. DC μF | 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 | 0.046 0.034 | 0.12 0.085 | 1,256 1,160 1,352 | 1,570 1,450 1,690 | 12.5×30 12.5×35 | 0.039 0.033 | 0.098 0.083 | 1,520 1,512 | 1,800 1,900 |
| 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 | 12.5×35 16×25 | 0.027 0.028 | 0.068 0.070 | 1,917 1,863 | 2,130 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 2,350 | 2,620 2,350 18×35.5 | 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 2,295 | 2,550 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 | | | | | | | | | | |



Dimension & Permissible Ripple Current

Dimension: $\phi D \times L(\text{mm})$

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

| V. DC μF | Item | 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 |
| | | 16×35.5 | 0.040 | 0.100 | 1,576 | 1,970 |
| 1,000 | | 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 | 470μF | ±20% | 6.3V | Bulk Package | Gas Type | 8 $\phi \times 11.5\text{L}$ | Pb-free and PET sleeve |
| RXK Series | 471 Capacitance | M Capacitance Tolerance | 0J Rated Voltage | BK Lead Configuration & Package | - Rubber Type | 0811 Case Size | Lead Wire and Sleeve type |

Note: For more details, please refer to "Part Numbering System (Radial Type)" on page 10.



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

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помошь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помошь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.