

RZW Series

Features

- 105°C, 4,000 ~ 10,000 hours assured
- Low ESR, suitable for switching power supplies
- Smaller size with large permissible ripple current
- RoHs Compliance

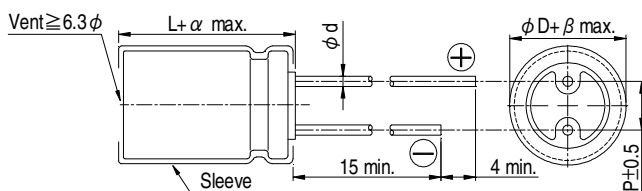


Sleeve & Marking Color: Black & Golden

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 120 Hz, 20°C) | <table border="1"> <tr> <td>Rated Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <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> </table> <p>When the capacitance exceeds 1000μF, 0.02 shall be added every 1000μF 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"> <tr> <td>Rated Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>Impedance Ratio Z(-55°C)/Z(+20°C)</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table> | Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | Impedance Ratio Z(-55°C)/Z(+20°C) | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | |
| Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Impedance Ratio Z(-55°C)/Z(+20°C) | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endurance | <table border="1"> <tr> <td rowspan="2">Time</td> <td>6.3 ~ 10V</td> <td>4,000 Hrs for φD = 5 ~ 6.3 mm; 6,000 Hrs for φD = 8 ~ 10 mm; 8,000 Hrs for φD ≥ 12.5 mm</td> </tr> <tr> <td>16 ~ 63V</td> <td>5,000 Hrs for φD = 5 ~ 6.3 mm; 7,000 Hrs for φD = 8 ~ 10 mm; 10,000 Hrs for φD ≥ 12.5 mm</td> </tr> <tr> <td>Capacitance Change</td> <td colspan="2">Within ±25% of initial value</td> </tr> <tr> <td>Tanδ</td> <td colspan="2">Less than 200% of specified value</td> </tr> <tr> <td>Leakage Current</td> <td colspan="2">Within specified value</td> </tr> </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 4,000 ~ 10,000 hours at 105°C.</p> | Time | 6.3 ~ 10V | 4,000 Hrs for φD = 5 ~ 6.3 mm; 6,000 Hrs for φD = 8 ~ 10 mm; 8,000 Hrs for φD ≥ 12.5 mm | 16 ~ 63V | 5,000 Hrs for φD = 5 ~ 6.3 mm; 7,000 Hrs for φD = 8 ~ 10 mm; 10,000 Hrs for φD ≥ 12.5 mm | Capacitance Change | Within ±25% of initial value | | Tanδ | Less than 200% of specified value | | Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | |
| Time | 6.3 ~ 10V | | 4,000 Hrs for φD = 5 ~ 6.3 mm; 6,000 Hrs for φD = 8 ~ 10 mm; 8,000 Hrs for φD ≥ 12.5 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 16 ~ 63V | 5,000 Hrs for φD = 5 ~ 6.3 mm; 7,000 Hrs for φD = 8 ~ 10 mm; 10,000 Hrs for φD ≥ 12.5 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Change | Within ±25% of initial value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tanδ | Less than 200% of specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shelf Life Test | <table border="1"> <tr> <td>Test Time</td> <td>1,000 Hrs</td> </tr> <tr> <td>Capacitance Change</td> <td>Within ±25% 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> <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 ±25% of initial value | Tanδ | Less than 200% of specified value | Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Time | 1,000 Hrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Change | Within ±25% of initial value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tanδ | Less than 200% of specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ripple Current and Frequency Multipliers | <table border="1"> <tr> <td rowspan="2">Cap.(μF)</td> <td colspan="4">Freq.(Hz)</td> </tr> <tr> <td>120</td> <td>1k</td> <td>10k</td> <td>100k up</td> </tr> <tr> <td>under ~ 33</td> <td>0.42</td> <td>0.70</td> <td>0.90</td> <td>1.0</td> </tr> <tr> <td>39 ~ 270</td> <td>0.50</td> <td>0.73</td> <td>0.92</td> <td>1.0</td> </tr> <tr> <td>330 ~ 680</td> <td>0.55</td> <td>0.77</td> <td>0.94</td> <td>1.0</td> </tr> <tr> <td>820 ~ 1,800</td> <td>0.6</td> <td>0.80</td> <td>0.96</td> <td>1.0</td> </tr> <tr> <td>2,200 ~ 18,000</td> <td>0.7</td> <td>0.85</td> <td>0.98</td> <td>1.0</td> </tr> </table> | Cap.(μF) | Freq.(Hz) | | | | 120 | 1k | 10k | 100k up | under ~ 33 | 0.42 | 0.70 | 0.90 | 1.0 | 39 ~ 270 | 0.50 | 0.73 | 0.92 | 1.0 | 330 ~ 680 | 0.55 | 0.77 | 0.94 | 1.0 | 820 ~ 1,800 | 0.6 | 0.80 | 0.96 | 1.0 | 2,200 ~ 18,000 | 0.7 | 0.85 | 0.98 | 1.0 |
| Cap.(μF) | Freq.(Hz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 120 | 1k | 10k | 100k up | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| under ~ 33 | 0.42 | 0.70 | 0.90 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 ~ 270 | 0.50 | 0.73 | 0.92 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330 ~ 680 | 0.55 | 0.77 | 0.94 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 820 ~ 1,800 | 0.6 | 0.80 | 0.96 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,200 ~ 18,000 | 0.7 | 0.85 | 0.98 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

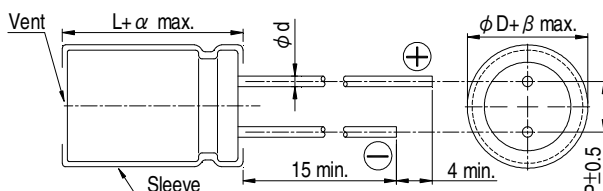
Diagram of Dimensions



Lead Spacing and Diameter Unit: mm

| 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 12.5x16, 16x16, 16x20, 18x16, 18x20 and 18x25 are suitable for below diagram:





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

Dimension and Permissible Ripple Current

| Rated Volt. V_{DC} Contents Cap. (μF) | 6.3V (0J) | | | | 10V (1A) | | | | 16V (1C) | | | | 25V (1E) | | | |
|---|---------------------------|--|-------------------------|---|---------------------------|--|-------------------------|---|---------------------------|--|-------------------------|---|---------------------------|--|-------------------------|---|
| | $\phi D \times L$ | Impedance (Ω , max./100kHz) | | Ripple Current (mA/rms, 105°C) 100k Hz | $\phi D \times L$ | Impedance (Ω , max./100kHz) | | Ripple Current (mA/rms, 105°C) 100k Hz | $\phi D \times L$ | Impedance (Ω , max./100kHz) | | Ripple Current (mA/rms, 105°C) 100k Hz | $\phi D \times L$ | Impedance (Ω , max./100kHz) | | Ripple Current (mA/rms, 105°C) 100k Hz |
| | | 20°C | -10°C | | | 20°C | -10°C | | | 20°C | -10°C | | | 20°C | -10°C | |
| 47 | | | | | | | | | | | | | 5x11 | 0.58 | 1.16 | 210 |
| 56 | | | | | | | | | 5x11 | 0.58 | 1.16 | 210 | | | | |
| 100 | | | | | 5x11 | 0.58 | 1.16 | 210 | | | | | 6.3x11 | 0.22 | 0.44 | 340 |
| 120 | | | | | | | | | 6.3x11 | 0.22 | 0.44 | 340 | | | | |
| 150 | 5x11 | 0.58 | 1.16 | 210 | | | | | | | | | | | | |
| 220 | | | | | 6.3x11 | 0.22 | 0.44 | 340 | 8x11.5 | 0.11 | 0.22 | 640 | 8x11.5 | 0.11 | 0.22 | 640 |
| 330 | 6.3x11 | 0.22 | 0.44 | 340 | | | | | 8x11.5 | 0.11 | 0.22 | 640 | 8x15 10x12.5 | 0.083 0.080 | 0.166 0.160 | 840 865 |
| 470 | | | | | 8x11.5 | 0.11 | 0.22 | 640 | 8x15 10x12.5 | 0.083 0.080 | 0.166 0.160 | 840 865 | 8x20 10x16 | 0.064 0.060 | 0.128 0.120 | 1,050 1,210 |
| 680 | 8x11.5 | 0.11 | 0.22 | 640 | 8x15 10x12.5 | 0.083 0.080 | 0.166 0.160 | 840 865 | 8x20 10x16 | 0.064 0.060 | 0.128 0.120 | 1,050 1,210 | 10x20 12.5x16 | 0.046 0.049 | 0.092 0.098 | 1,400 1,450 |
| 820 | 10x12.5 | 0.080 | 0.16 | 865 | | | | | | | | | 10x25 | 0.042 | 0.084 | 1,650 |
| 1,000 | 8x15 | 0.087 | 0.174 | 840 | 8x20 10x16 | 0.064 0.060 | 0.128 0.120 | 1,050 1,210 | 10x20 12.5x16 | 0.046 0.049 | 0.092 0.098 | 1,400 1,450 | 10x30 12.5x20 16x16 | 0.031 0.035 0.042 | 0.062 0.070 0.084 | 1,910 1,900 1,940 |
| 1,200 | 8x20 10x16 | 0.069 0.060 | 0.128 0.120 | 1,050 1,210 | 10x20 | 0.046 | 0.092 | 1,400 | 10x25 | 0.042 | 0.084 | 1,650 | 18x16 | 0.043 | 0.086 | 2,210 |
| 1,500 | 10x20 | 0.046 | 0.092 | 1,400 | 10x25 12.5x16 | 0.042 0.049 | 0.084 0.090 | 1,650 1,450 | 10x30 12.5x20 16x16 | 0.031 0.035 0.042 | 0.062 0.070 0.084 | 1,910 1,900 1,940 | 12.5x25 | 0.027 | 0.054 | 2,230 |
| 1,800 | 12.5x16 | 0.045 | 0.090 | 1,450 | | | | | | | | | 12.5x30 16x20 | 0.024 0.027 | 0.048 0.054 | 2,650 2,530 |
| 2,200 | 10x25 | 0.042 | 0.084 | 1,650 | 10x30 12.5x20 16x16 | 0.031 0.035 0.042 | 0.062 0.070 0.084 | 1,910 1,900 1,940 | 12.5x25 18x16 | 0.027 0.043 | 0.054 0.086 | 2,230 2,210 | 12.5x35 18x20 | 0.020 0.026 | 0.040 0.052 | 2,880 2,860 |
| 2,700 | 10x30 16x16 | 0.031 0.042 | 0.062 0.084 | 1,910 1,940 | 18x16 | 0.043 | 0.086 | 2,210 | 12.5x30 16x20 | 0.024 0.027 | 0.048 0.054 | 2,650 2,530 | 12.5x40 16x25 | 0.017 0.021 | 0.034 0.042 | 3,350 2,930 |
| 3,300 | 12.5x20 | 0.035 | 0.070 | 1,900 | 12.5x25 | 0.027 | 0.054 | 2,230 | 12.5x35 | 0.020 | 0.040 | 2,880 | 16x31.5 18x25 | 0.017 0.019 | 0.034 0.038 | 3,450 3,140 |
| 3,900 | 12.5x25 18x16 | 0.027 0.043 | 0.054 0.086 | 2,230 2,210 | 12.5x30 16x20 | 0.024 0.027 | 0.048 0.054 | 2,650 2,530 | 12.5x40 16x25 18x20 | 0.017 0.021 0.026 | 0.034 0.042 0.052 | 3,350 2,930 2,860 | 16x35.5 18x31.5 | 0.015 0.015 | 0.030 0.030 | 3,610 4,170 |
| 4,700 | 12.5x30 | 0.024 | 0.048 | 2,650 | 12.5x35 | 0.020 | 0.040 | 2,880 | 16x31.5 18x25 | 0.017 0.019 | 0.034 0.038 | 3,450 3,140 | 16x40 18x35.5 | 0.013 0.014 | 0.026 0.028 | 4,080 4,220 |
| 5,600 | 12.5x35 16x20 | 0.020 0.027 | 0.040 0.054 | 2,880 2,530 | 12.5x40 16x25 18x20 | 0.017 0.021 0.026 | 0.034 0.042 0.052 | 3,350 2,930 2,860 | 16x35.5 18x31.5 | 0.015 0.015 | 0.030 0.03 | 3,610 4,170 | 18x40 | 0.012 | 0.024 | 4,280 |
| 6,800 | 12.5x40 16x25 18x20 | 0.017 0.021 0.026 | 0.034 0.042 0.052 | 3,350 2,930 2,860 | 16x31.5 18x25 | 0.017 0.019 | 0.034 0.038 | 3,450 3,140 | 16x40 | 0.013 | 0.026 | 4,080 | | | | |
| 8,200 | 16x31.5 | 0.017 | 0.034 | 3,450 | 16x35.5 18x31.5 | 0.015 0.015 | 0.030 0.030 | 3,610 4,170 | 18x35.5 | 0.014 | 0.02 | 4,220 | | | | |
| 10,000 | 16x35.5 18x25 | 0.015 0.019 | 0.030 0.038 | 3,610 3,140 | 16x40 18x35.5 | 0.013 0.014 | 0.026 0.028 | 4,080 4,220 | 18x40 | 0.012 | 0.024 | 4,280 | | | | |
| 12,000 | 16x40 18x31.5 | 0.013 0.015 | 0.026 0.030 | 4,080 4,170 | 18x40 | 0.012 | 0.024 | 4,280 | | | | | | | | |
| 15,000 | 18x35.5 | 0.014 | 0.028 | 4,220 | | | | | | | | | | | | |
| 18,000 | 18x40 | 0.012 | 0.024 | 4,280 | | | | | | | | | | | | |



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

Dimension and Permissible Ripple Current

| Rated Volt. V_{DC} Contents Cap. (μF) | 35V (1V) | | | | 50V (1H) | | | | 63V (1J) | | | |
|---|---------------------------|--|-------------------------|---|---------------------------|--|-------------------------|---|---------------------------|--|-------------------------|---|
| | $\phi D \times L$ | Impedance (Ω , max./100kHz) | | Ripple Current (mA/rms, 105°C) 100k Hz | $\phi D \times L$ | Impedance (Ω , max./100kHz) | | Ripple Current (mA/rms, 105°C) 100k Hz | $\phi D \times L$ | Impedance (Ω , max./100kHz) | | Ripple Current (mA/rms, 105°C) 100k Hz |
| | | 20°C | -10°C | | | 20°C | -10°C | | | 20°C | -10°C | |
| 3.3 | | | | | 5x11 | 2.9 | 5.8 | 53 | | | | |
| 4.7 | | | | | 5x11 | 2.5 | 5.0 | 95 | | | | |
| 10 | | | | | 5x11 | 2.0 | 4.0 | 130 | | | | |
| 15 | | | | | | | | | 5x11 | 1.2 | 2.4 | 165 |
| 22 | | | | | 5x11 | 0.91 | 1.82 | 180 | | | | |
| 33 | 5x11 | 0.58 | 1.16 | 210 | | | | | 6.3x11 | 0.49 | 0.98 | 265 |
| 56 | 6.3x11 | 0.22 | 0.44 | 340 | 6.3x11 | 0.39 | 0.78 | 295 | 8x11.5 | 0.31 | 0.62 | 500 |
| 82 | | | | | | | | | 8x15 10x12.5 | 0.22 0.15 | 0.44 0.30 | 665 690 |
| 100 | | | | | 8x11.5 | 0.22 | 0.44 | 555 | | | | |
| 120 | | | | | 8x15 | 0.190 | 0.38 | 730 | 8x20 10x16 | 0.17 0.11 | 0.34 0.22 | 820 950 |
| 150 | 8x11.5 | 0.11 | 0.22 | 640 | 10x12.5 | 0.160 | 0.32 | 760 | | | | |
| 180 | | | | | 8x20 | 0.17 | 0.34 | 880 | 10x20 12.5x16 | 0.078 0.101 | 0.156 0.202 | 1,150 1,150 |
| 220 | 8x15 10x12.5 | 0.083 0.080 | 0.166 0.160 | 840 865 | 10x16 | 0.110 | 0.22 | 1,050 | 10x25 | 0.064 | 0.128 | 1,350 |
| 270 | 8x20 | 0.064 | 0.128 | 1,050 | 10x20 12.5x16 | 0.078 0.079 | 0.156 0.158 | 1,220 1,260 | 12.5x20 | 0.057 | 0.114 | 1,500 |
| 330 | 10x16 | 0.060 | 0.120 | 1,210 | 10x25 | 0.072 | 0.144 | 1,440 | | | | |
| 390 | | | | | | | | | 12.5x25 | 0.043 | 0.086 | 1,900 |
| 470 | 10x20 12.5x16 | 0.046 0.049 | 0.092 0.098 | 1,400 1,450 | 10x30 12.5x20 16x16 | 0.056 0.059 0.072 | 0.112 0.118 0.114 | 1,690 1,660 1,690 | 12.5x30 16x20 | 0.039 0.045 | 0.078 0.090 | 2,300 2,000 |
| 560 | 10x25 | 0.042 | 0.084 | 1,650 | 12.5x25 18x16 | 0.044 0.070 | 0.088 0.140 | 1,950 1,930 | 12.5x35 | 0.034 | 0.068 | 2,500 |
| 680 | 10x30 12.5x20 16x16 | 0.031 0.035 0.042 | 0.062 0.070 0.084 | 1,910 1,900 1,940 | 12.5x30 | 0.039 | 0.078 | 2,310 | 12.5x40 16x25 18x20 | 0.029 0.035 0.042 | 0.058 0.070 0.084 | 2,800 2,600 2,500 |
| 820 | | | | | 12.5x35 16x20 | 0.033 0.044 | 0.066 0.088 | 2,510 2,210 | 16x31.5 18x25 | 0.029 0.034 | 0.058 0.068 | 2,850 2,800 |
| 1,000 | 12.5x25 18x16 | 0.027 0.043 | 0.054 0.086 | 2,230 2,210 | 12.5x40 16x25 18x20 | 0.027 0.033 0.047 | 0.054 0.066 0.094 | 2,920 2,555 2,490 | 16x35.5 | 0.027 | 0.054 | 2,900 |
| 1,200 | 12.5x30 16x20 | 0.024 0.027 | 0.048 0.054 | 2,650 2,530 | 16x31.5 18x25 | 0.027 0.028 | 0.054 0.056 | 3,010 2,740 | 16x40 18x31.5 | 0.025 0.028 | 0.050 0.056 | 3,400 3,300 |
| 1,500 | 12.5x35 | 0.020 | 0.040 | 2,880 | 16x35.5 | 0.024 | 0.048 | 3,150 | 18x35.5 | 0.025 | 0.050 | 3,400 |
| 1,800 | 12.5x40 16x25 18x20 | 0.017 0.021 0.026 | 0.034 0.042 0.052 | 3,350 2,930 2,860 | 16x40 18x31.5 | 0.021 0.024 | 0.042 0.048 | 3,710 3,635 | 18x40 | 0.024 | 0.048 | 3,500 |
| 2,200 | 16x31.5 18x25 | 0.017 0.019 | 0.034 0.038 | 3,450 3,140 | 18x35.5 | 0.022 | 0.044 | 3,680 | | | | |
| 2,700 | 16x35.5 18x31.5 | 0.015 0.015 | 0.030 0.030 | 3,610 4,170 | 18x40 | 0.018 | 0.036 | 3,800 | | | | |
| 3,300 | 16x40 18x35.5 | 0.013 0.014 | 0.026 0.028 | 4,080 4,220 | | | | | | | | |
| 3,900 | 18x40 | 0.012 | 0.024 | 4,280 | | | | | | | | |

Part Numbering System

RZW Series 470 μF $\pm 20\%$ 16V Bulk Package Gas Type 8 ϕ x15L Pb-free and PET sleeve

RZW **471** **M** **1C** **BK** - **0815**

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.

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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