



Aluminum Electrolytic Capacitors

RGA

Features

- 105°C, for general purpose, standard series
- RoHS Compliance
- If there is any requirement on ESR, it's suggested to use low ESR series instead of RGA. Please consult our contact window for any inquiry.



Sleeve & Marking Color: Green & Black
Black & White

SPECIFICATIONS

| Items | Performance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------------------------|---------------------------------|--------------------|------------------------------|--------------------|-----------------------------------|-----------------|------------------------|-----------------|---|---------------------------------|---------------------------------|------|------|-----------------|-------------|-----------------|----------|----------|------|------|----------------|------|------|------|------|------|------|------|------|----|----|-----------|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----------|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|-----------|----------|----|----|---|---|---|---|---|---|---|----|----|----|----|
| Category Temperature Range | -40°C ~ +105°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Tolerance | ±20% (at 120Hz, 20°C) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current (at 20°C) | <table border="1"> <thead> <tr> <th>Rated voltage</th> <th>≤ 100V</th> <th colspan="2">> 100V</th> </tr> <tr> <th>Time</th> <th>after 2 minutes</th> <th colspan="2">after 5 minutes</th> </tr> <tr> <th>Leakage Current</th> <th>I = 0.01CV or 3 (μA) whichever is greater</th> <th>CV ≤ 1,000 I = 0.03CV+15(μA)</th> <th>CV > 1,000 I = 0.02CV+25(μA)</th> </tr> </thead> </table> <p>Where, C = rated capacitance in μF V = rated DC working voltage in V</p> | Rated voltage | ≤ 100V | > 100V | | Time | after 2 minutes | after 5 minutes | | Leakage Current | I = 0.01CV or 3 (μA) whichever is greater | CV ≤ 1,000 I = 0.03CV+15(μA) | CV > 1,000 I = 0.02CV+25(μA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated voltage | ≤ 100V | > 100V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Time | after 2 minutes | after 5 minutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | I = 0.01CV or 3 (μA) whichever is greater | CV ≤ 1,000 I = 0.03CV+15(μA) | CV > 1,000 I = 0.02CV+25(μA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dissipation Factor (Tan δ at 120 Hz, 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> <th>100</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>Tan δ (max)</td> <td>0.23</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> <td>0.12</td> <td>0.14</td> <td>0.17</td> <td>0.20</td> <td>0.25</td> <td>0.25</td> </tr> </tbody> </table> <p>When the capacitance exceeds 1,000 μF, 0.02 shall be added every 1,000 μF increase.</p> | Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 250 | 350 | 400 | 450 | Tan δ (max) | 0.23 | 0.20 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 | 0.12 | 0.14 | 0.17 | 0.20 | 0.25 | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 250 | 350 | 400 | 450 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tan δ (max) | 0.23 | 0.20 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 | 0.12 | 0.14 | 0.17 | 0.20 | 0.25 | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 colspan="2">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> <th>100</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Impedance Ratio</td> <td>Z(-25°C)</td> <td>φ D < 16</td> <td>4</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>3</td> <td>6</td> <td>8</td> <td>12</td> <td>14</td> <td>16</td> </tr> <tr> <td>/Z(+20°C)</td> <td>φ D ≥ 16</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>4</td> <td>8</td> <td>10</td> <td>16</td> <td>18</td> <td>20</td> </tr> <tr> <td>Z(-40°C)</td> <td>φ D < 16</td> <td>8</td> <td>6</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>4</td> <td>8</td> <td>10</td> <td>16</td> <td>18</td> <td>20</td> </tr> <tr> <td>/Z(+20°C)</td> <td>φ D ≥ 16</td> <td>12</td> <td>10</td> <td>8</td> <td>8</td> <td>8</td> <td>8</td> <td>6</td> <td>6</td> <td>8</td> <td>10</td> <td>16</td> <td>18</td> <td>20</td> </tr> </tbody> </table> | Rated Voltage | | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 250 | 350 | 400 | 450 | Impedance Ratio | Z(-25°C) | φ D < 16 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 6 | 8 | 12 | 14 | 16 | /Z(+20°C) | φ D ≥ 16 | 6 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 8 | 10 | 16 | 18 | 20 | Z(-40°C) | φ D < 16 | 8 | 6 | 6 | 4 | 4 | 3 | 3 | 4 | 8 | 10 | 16 | 18 | 20 | /Z(+20°C) | φ D ≥ 16 | 12 | 10 | 8 | 8 | 8 | 8 | 6 | 6 | 8 | 10 | 16 | 18 | 20 |
| Rated Voltage | | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 250 | 350 | 400 | 450 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Impedance Ratio | Z(-25°C) | φ D < 16 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 6 | 8 | 12 | 14 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | /Z(+20°C) | φ D ≥ 16 | 6 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 8 | 10 | 16 | 18 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Z(-40°C) | φ D < 16 | 8 | 6 | 6 | 4 | 4 | 3 | 3 | 4 | 8 | 10 | 16 | 18 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | /Z(+20°C) | φ D ≥ 16 | 12 | 10 | 8 | 8 | 8 | 8 | 6 | 6 | 8 | 10 | 16 | 18 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endurance | <table border="1"> <thead> <tr> <th>Test Time</th> <th>2,000 Hrs</th> </tr> </thead> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Less than 200% of specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Within specified value</td> </tr> </tbody> </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 hours at 105°C.</p> | Test Time | 2,000 Hrs | Capacitance Change | Within ±20% of initial value | Dissipation Factor | Less than 200% of specified value | Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Time | 2,000 Hrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Change | Within ±20% of initial value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dissipation Factor | Less than 200% of specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shelf Life Test | <table border="1"> <thead> <tr> <th>Test Time</th> <th>1,000 Hrs</th> </tr> </thead> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Less than 200% of specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Within specified value</td> </tr> </tbody> </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. The rated voltage shall be applied to the capacitors before the measurements for 160 ~ 450V (Refer to JIS C 5101-4 4.1).</p> | Test Time | 1,000 Hrs | Capacitance Change | Within ±20% of initial value | Dissipation Factor | Less than 200% of specified value | Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Time | 1,000 Hrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Change | Within ±20% of initial value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dissipation Factor | Less than 200% of specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ripple Current & Frequency Multipliers | <table border="1"> <thead> <tr> <th rowspan="2">Cap.(μF)</th> <th>Freq.(Hz)</th> <th>60(50)</th> <th>120</th> <th>500</th> <th>1k</th> <th>10k up</th> </tr> </thead> <tbody> <tr> <td>Under 100</td> <td></td> <td>0.70</td> <td>1.00</td> <td>1.30</td> <td>1.40</td> <td>1.50</td> </tr> <tr> <td>100 < C ≤ 1,000</td> <td></td> <td>0.75</td> <td>1.00</td> <td>1.20</td> <td>1.30</td> <td>1.35</td> </tr> <tr> <td>1,000 up above</td> <td></td> <td>0.80</td> <td>1.00</td> <td>1.10</td> <td>1.12</td> <td>1.15</td> </tr> </tbody> </table> | Cap.(μF) | Freq.(Hz) | 60(50) | 120 | 500 | 1k | 10k up | Under 100 | | 0.70 | 1.00 | 1.30 | 1.40 | 1.50 | 100 < C ≤ 1,000 | | 0.75 | 1.00 | 1.20 | 1.30 | 1.35 | 1,000 up above | | 0.80 | 1.00 | 1.10 | 1.12 | 1.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cap.(μF) | Freq.(Hz) | | 60(50) | 120 | 500 | 1k | 10k up | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Under 100 | | 0.70 | 1.00 | 1.30 | 1.40 | 1.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 < C ≤ 1,000 | | 0.75 | 1.00 | 1.20 | 1.30 | 1.35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,000 up above | | 0.80 | 1.00 | 1.10 | 1.12 | 1.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

DIAGRAM OF DIMENSIONS



LEAD SPACING AND DIAMETER

Unit: mm

| ϕD | 5 | 6.3 | 8 | 10 | 12.5 | 16 | 18 | 20 | 22 | 25 |
|----------|-----|-----|-----|-----|------|-----|-----|-----|----|------|
| P | 2.0 | 2.5 | 3.5 | 5.0 | 5.0 | 7.5 | 7.5 | 10 | 10 | 12.5 |
| ϕd | 0.5 | | 0.6 | | | 0.8 | | 1.0 | | |
| α | 1.0 | | | 1.5 | | | 2.0 | | | |
| β | 0.5 | | | | | | | | | |

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

Ripple Current: mA/rms at 120 Hz, 105°C

DIMENSION & PERMISSIBLE RIPPLE CURRENT

| μF | V. DC Contents | 6.3V (0J) | | | | 10V (1A) | | | | 16V (1C) | | | | 25V (1E) | | | |
|---------------|----------------|-------------------|----------------|---------------------|----------------|--------------------|----------------|---------------------|----------------|--------------------|----------------|---------------------|----------------|--------------------|----------------|---------------------|-------|
| | | $\phi D \times L$ | mA | * $\phi D \times L$ | mA | $\phi D \times L$ | mA | * $\phi D \times L$ | mA | $\phi D \times L$ | mA | * $\phi D \times L$ | mA | $\phi D \times L$ | mA | * $\phi D \times L$ | mA |
| 4.7 | 4R7 | | | | | | | | | | | | | 5x11 | 26 | | |
| 10 | 100 | | | | | | | | | 5x11 | 35 | | | 5x11 | 43 | | |
| 22 | 220 | | | | | 5x11 | 49 | | | 5x11 | 58 | | | 5x11 | 62 | | |
| 33 | 330 | 5x11 | 54 | | | 5x11 | 60 | | | 5x11 | 71 | | | 5x11 | 76 | | |
| 47 | 470 | 5x11 | 65 | | | 5x11 | 76 | | | 5x11 | 85 | | | 5x11 | 97 | | |
| 100 | 101 | 5x11 | 95 | | | 5x11 | 105 | | | 6.3x11 | 133 | 5x11 | 110 | 6.3x11 | 142 | | |
| 220 | 221 | 6.3x11 | 160 | 5x11 | 140 | 6.3x11 | 175 | | | 8x11.5 | 215 | 6.3x11 | 190 | 8x11.5 | 236 | | |
| 330 | 331 | 8x11.5 | 195 | 6.3x11 | 190 | 8x11.5 | 245 | 6.3x11 | 200 | 8x11.5 | 270 | | | 10x12.5 | 335 | 8x11.5 | 310 |
| 470 | 471 | 8x11.5 | 270 | 6.3x11 | 230 | 8x11.5 | 290 | | | 10x12.5 | 370 | 8x11.5 | 310 | 10x16 | 440 | 10x12.5 | 380 |
| 1,000 | 102 | 10x12.5 | 460 | 8x11.5 | 380 | 10x16 | 550 | 10x12.5 | 460 | 10x20 | 640 | 10x16 | 560 | 10x20 12.5x20 | 680 770 | 12.5x16 | 590 |
| 2,200 | 222 | 10x16 10x20 | 690 710 | 12.5x16 | 700 | 10x20 12.5x20 | 760 860 | 12.5x16 | 690 | 12.5x20 12.5x25 | 920 1,000 | 16x16 | 830 | 12.5x25 16x25 | 1,110 1,170 | 16x20 | 970 |
| 3,300 | 332 | 12.5x20 | 960 | 10x20 | 840 | 12.5x20 | 1,100 | 16x16 | 940 | 12.5x25 16x25 | 1,170 1,300 | 16x16 16x20 | 950 1,050 | 16x25 16x31.5 | 1,440 1,460 | 18x20 | 1,220 |
| 4,700 | 472 | 12.5x20 16x25 | 1,090 1,330 | 16x16 | 1,010 | 12.5x25 16x25 | 1,260 1,400 | 16x16 16x20 | 1,060 1,120 | 16x25 16x31.5 | 1,480 1,600 | 16x20 18x20 | 1,185 1,260 | 16x31.5 18x35.5 | 1,710 1,780 | 18x25 | 1,470 |
| 6,800 | 682 | 12.5x25 16x25 | 1,460 1,640 | 16x20 | 1,190 | 16x25 16x31.5 | 1,690 1,880 | 16x20 18x20 | 1,270 1,330 | 16x31.5 18x35.5 | 1,930 2,170 | 18x25 | 1,650 | 18x40 | 2,280 | 18x35.5 | 2,160 |
| 10,000 | 103 | 16x25 16x31.5 | 1,990 2,200 | 16x20 18x20 | 1,340 1,440 | 16x31.5 16x35.5 | 2,220 2,400 | 18x25 | 1,800 | 18x35.5 | 2,640 | 18x31.5 | 2,330 | 22x40 | 2,720 | | |
| 15,000 | 153 | 18x35.5 | 2,780 | 16x35.5 | 2,500 | 18x35.5 | 2,780 | 16x35.5 | 2,500 | 18x40 | 2,950 | | | | | | |
| 22,000 | 223 | 18x40 | 3,100 | 18x35.5 | 2,930 | 18x40 | 3,100 | | | 22x40 | 3,460 | | | | | | |

| μF | V. DC Contents | 35V (1V) | | | | 50V (1H) | | | | 63V (1J) | | | | 100V (2A) | | | |
|---------------|----------------|--------------------|----------------|---------------------|------------|-------------------|--------------|---------------------|------------|-------------------|-------|---------------------|-----|-------------------|-------|---------------------|-----|
| | | $\phi D \times L$ | mA | * $\phi D \times L$ | mA | $\phi D \times L$ | mA | * $\phi D \times L$ | mA | $\phi D \times L$ | mA | * $\phi D \times L$ | mA | $\phi D \times L$ | mA | * $\phi D \times L$ | mA |
| 0.1 | 0R1 | | | | | 5x11 | 3.2 | | | 5x11 | 3.5 | | | 5x11 | 4 | | |
| 0.22 | R22 | | | | | 5x11 | 4.9 | | | 5x11 | 5.1 | | | 5x11 | 6 | | |
| 0.33 | R33 | | | | | 5x11 | 6 | | | 5x11 | 7.5 | | | 5x11 | 8 | | |
| 0.47 | R47 | | | | | 5x11 | 7.1 | | | 5x11 | 9 | | | 5x11 | 9 | | |
| 1 | 010 | | | | | 5x11 | 13 | | | 5x11 | 15 | | | 5x11 | 15 | | |
| 2.2 | 2R2 | | | | | 5x11 | 20 | | | 5x11 | 30 | | | 5x11 | 30 | | |
| 3.3 | 3R3 | | | | | 5x11 | 30 | | | 5x11 | 31 | | | 5x11 | 31 | | |
| 4.7 | 4R7 | 5x11 | 30 | | | 5x11 | 33 | | | 5x11 | 36 | | | 6.3x11 | 40 | | |
| 10 | 100 | 5x11 | 46 | | | 5x11 | 50 | | | 5x11 | 54 | | | 8x11.5 | 66 | 6.3x11 | 54 |
| 22 | 220 | 5x11 | 71 | | | 5x11 | 78 | | | 6.3x11 | 86 | | | 8x11.5 | 99 | 6.3x11 | 93 |
| 33 | 330 | 6.3x11 | 90 | 5x11 | 75 | 6.3x11 | 96 | 5x11 | 90 | 8x11.5 | 114 | 6.3x11 | 100 | 10x12.5 | 148 | 8x11.5 | 130 |
| 47 | 470 | 6.3x11 | 110 | 5x11 | 90 | 6.3x11 | 120 | | | 8x11.5 | 141 | 6.3x11 | 130 | 10x16 | 180 | 10x12.5 | 165 |
| 100 | 101 | 8x11.5 | 180 | 6.3x11 | 150 | 8x11.5 | 188 | | | 10x12.5 | 235 | | | 12.5x20 | 320 | 10x20 | 265 |
| 220 | 221 | 10x12.5 | 300 | 8x11.5 | 270 | 10x16 | 300 | 10x12.5 | 240 | 10x20 | 450 | 10x16 | 335 | 16x25 | 570 | 12.5x25 | 440 |
| 330 | 331 | 10x16 | 400 | 10x12.5 | 350 | 10x20 | 460 | 10x16 | 410 | 12.5x20 | 540 | 10x20 | 510 | 16x31.5 | 700 | 16x25 | 540 |
| 470 | 471 | 10x20 | 520 | 10x16 | 460 | 10x20 12.5x25 | 530 610 | 12.5x16 16x16 | 425 535 | 12.5x25 | 720 | 12.5x20 | 640 | 18x35.5 | 880 | 16x31.5 | 715 |
| 1,000 | 102 | 12.5x20 12.5x25 | 810 920 | 12.5x16 16x16 | 600 720 | 12.5x25 16x25 | 950 1,080 | 16x20 | 830 | 16x31.5 | 1,210 | 16x25 | 930 | 22x40 | 1,760 | 18x40 | 985 |
| 2,200 | 222 | 16x25 16x31.5 | 1,260 1,340 | 18x20 | 1,110 | 18x35.5 | 1,600 | 16x35.5 | 1,470 | 18x40 | 2,340 | | | | | | |
| 3,300 | 332 | 16x31.5 16x35.5 | 1,420 1,610 | 18x25 | 1,570 | 22x40 | 2,290 | 18x35.5 | 1,770 | 22x40 | 2,510 | | | | | | |
| 4,700 | 472 | 18x40 | 1,920 | 18x35.5 | 1,900 | 25x40 | 2,610 | 22x40 | 2,340 | 25x40 | 3,000 | | | | | | |

Remark: The Case size 12.5x16, 16x16, 16x20, 18x20 and 18x25 are used flat type rubber bung. Case size in mark of "*" is downsize.



Aluminum Electrolytic Capacitors

RGA

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

Ripple Current: mA/rms at 120 Hz, 105°C

DIMENSION & PERMISSIBLE RIPPLE CURRENT

| μF | V. DC Contents | 160V (2C) | | | | 200V (2D) | | | | 250V (2E) | | | | 350V (2V) | | | |
|---------|-------------------|--------------------|------------|---------------------|------------|--------------------|------------|---------------------|------------|--------------------|------------|---------------------|-----|-------------------|-----|---------------------|-----|
| | | $\phi D \times L$ | mA | * $\phi D \times L$ | mA | $\phi D \times L$ | mA | * $\phi D \times L$ | mA | $\phi D \times L$ | mA | * $\phi D \times L$ | mA | $\phi D \times L$ | mA | * $\phi D \times L$ | mA |
| 0.47 | R47 | 6.3x11 | 13 | 5x11 | 11 | 6.3x11 | 14 | 5x11 | 12 | 8x11.5 | 18 | 5x11 | 11 | 8x11.5 | 18 | 6.3x11 | 16 |
| 1 | 010 | 6.3x11 | 20 | 5x11 | 17 | 6.3x11 | 21 | 5x11 | 18 | 8x11.5 | 27 | 5x11 | 16 | 8x11.5 | 27 | 6.3x11 | 23 |
| 2.2 | 2R2 | 6.3x11 | 29 | 5x11 | 25 | 8x11.5 | 37 | 6.3x11 | 30 | 8x11.5 | 41 | 6.3x11 | 35 | 10x16 | 53 | 8x11.5 | 41 |
| 3.3 | 3R3 | 8x11.5 | 42 | 6.3x11 | 36 | 8x11.5 | 45 | 6.3x11 | 39 | 8x11.5 | 50 | 6.3x11 | 40 | 10x12.5 | 59 | 8x11.5 | 50 |
| 4.7 | 4R7 | 8x11.5 | 50 | 6.3x11 | 43 | 8x11.5 | 54 | 6.3x11 | 43 | 10x16 | 93 | 8x11.5 | 60 | 10x16 | 93 | 10x12.5 | 65 |
| 10 | 100 | 10x12.5 | 87 | 8x11.5 | 73 | 10x20 | 115 | 10x12.5 | 94 | 10x16 | 115 | 10x12.5 | 92 | 10x20 | 125 | 10x16 | 115 |
| 22 | 220 | 10x20 | 158 | 10x16 | 135 | 10x20 | 170 | 10x16 | 142 | 10x20 12.5x20 | 200 220 | 12.5x16 | 200 | 12.5x25 | 235 | 12.5x20 | 220 |
| 33 | 330 | 12.5x20 | 225 | 10x20 | 190 | 12.5x20 12.5x25 | 240 265 | 12.5x16 16x16 | 215 250 | 12.5x20 12.5x25 | 315 348 | 16x16 | 250 | 16x31.5 | 365 | 16x25 | 325 |
| 47 | 470 | 12.5x20 12.5x25 | 265 295 | 12.5x16 16x16 | 230 275 | 12.5x20 12.5x25 | 270 315 | 16x16 16x20 | 275 300 | 12.5x25 16x25 | 350 365 | 16x20 | 320 | 16x31.5 | 395 | 16x25 | 365 |
| 68 | 680 | | | 16x20 | 330 | 18x20 | 350 | 16x20 | 330 | | | 18x20 | 350 | | | | |
| 100 | 101 | 12.5x25 16x25 | 425 485 | 16x20 18x20 | 395 420 | 16x25 16x35.5 | 485 565 | 18x25 | 420 | 16x35.5 | 610 | | | 18x40 | 530 | 16x31.5 | 450 |
| 150 | 151 | | | 18x25 | 510 | | | | | | | | | | | | |
| 220 | 221 | 18x35.5 | 750 | 16x31.5 | 660 | 18x40 | 885 | 18x35.5 | 835 | 18x40 | 885 | 18x35.5 | 835 | | | | |
| 330 | 331 | 18x40 | 865 | 18x35.5 | 820 | | | | | | | | | | | | |

| μF | V. DC Contents | 400V (2G) | | | | 450V (2W) | | | |
|---------|-------------------|-------------------|------------|---------------------|------------|-------------------|-----|---------------------|----------|
| | | $\phi D \times L$ | mA | * $\phi D \times L$ | mA | $\phi D \times L$ | mA | * $\phi D \times L$ | mA |
| 0.47 | R47 | 8x11.5 | 18 | 6.3x11 | 15 | 10x12.5 | 22 | 8x11.5 | 18 |
| 1 | 010 | 8x11.5 | 27 | 6.3x11 | 21 | 10x12.5 | 32 | 8x11.5 | 27 |
| 2.2 | 2R2 | 10x12.5 | 48 | 8x11.5 | 39 | 10x12.5 | 48 | 8x11.5 | 39 |
| 3.3 | 3R3 | 10x16 | 65 | 8x11.5 | 47 | 10x16 | 65 | 10x12.5 | 55 |
| 4.7 | 4R7 | 10x20 | 86 | 10x12.5 8x11.5 | 70 50 | 10x20 | 86 | 10x16 8x11.5 | 75 50 |
| 10 | 100 | 10x20 12.5x20 | 125 145 | 12.5x16 16x16 | 120 150 | 12.5x25 | 160 | 12.5x20 | 145 |
| 22 | 220 | 10x25 16x25 | 205 265 | 16x20 | 220 | 16x25 | 265 | 12.5x20 | 200 |
| 27 | 270 | 16x25 | 310 | | | 16x31.5 | 340 | 12.5x25 | 235 |
| 33 | 330 | 16x25 16x31.5 | 325 360 | 18x20 | 270 | 16x31.5 | 360 | 16x25 | 325 |
| 39 | 390 | 16x31.5 | 375 | 16x25 | 340 | 16x35.5 | 400 | | |
| 47 | 470 | 16x25 16x35.5 | 370 420 | 18x25 | 350 | 18x31.5 | 430 | | |
| 56 | 560 | 18x25 | 460 | 16x25 | 400 | 18x40 | 480 | | |
| 68 | 680 | 16x25 | 440 | | | | | | |
| 82 | 820 | 18x31.5 | 500 | 16x31.5 | 475 | 22x40 | 600 | 18x31.5 | 500 |
| 100 | 101 | 20x40 | 600 | 18x35.5 | 540 | 20x45 | 690 | 18x35.5 | 540 |
| 120 | 121 | 20x40 | 720 | | | 20x50 | 780 | | |
| 150 | 151 | 22x40 | 850 | | | 22x50 | 930 | 20x40 | 850 |
| 180 | 181 | 20x50 | 960 | | | | | | |
| 220 | 221 | 22x50 | 1,130 | 20x45 | 950 | | | | |

Remark: The Case size 12.5x16, 16x16, 16x20, 18x20 and 18x25 are used flat type rubber bung.
Case size in mark of "*" is downsize.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Aluminium Electrolytic Capacitors - Radial Leaded](#) category:

Click to view products by [Lelon](#) manufacturer:

Other Similar products are found below :

[NRELS102M35V16X16C.140LLF](#) [ESRG160ETC100MD07D](#) [227RZS050M](#) [335CKR250M](#) [476CKH100MSA](#) [477CKR100M](#)
[107CKR010M](#) [107CKH063MSA](#) [RJH-25V222MI9#](#) [RJH-35V221MG5#](#) [B43827A1106M8](#) [RJH-50V221MH6#](#) [EKYA500ELL470MF11D](#)
[B41022A5686M6](#) [ESRG250ELL101MH09D](#) [EKMA160EC3101MF07D](#) [RJB-10V471MG3#](#) [ESMG160ETD221MF11D](#)
[EKZH160ETD152MJ20S](#) [RJH-35V122MJ6#](#) [EGXF630ELL621ML20S](#) [RBD-25V100KE3#N](#) [EKMA350ELL100ME07D](#)
[ESMG160ETD101ME11D](#) [ELXY100ETD102MJ20S](#) [EGXF500ELL561ML15S](#) [EKMG350ETD471MJ16S](#) [35YXA330MEFC10X12.5](#)
[RXW471M1ESA-0815](#) [ELXZ630ELL221MJ25S](#) [ERR1HM1R0D11OT](#) [LPE681M30060FVA](#) [LPL471M22030FVA](#) [HFE221M25030FVA](#)
[LKMD1401H221MF](#) [B41888G6108M000](#) [EKMA160ETD470MF07D](#) [UHW1J102MHD6](#) [EKMG500ETD221MJC5S](#) [LKMK2502W101MF](#)
[LKMD1401H181MF](#) [LKMI2502G820MF](#) [LKMJ2001J122MF](#) [LKML2501C472MF](#) [LKMJ4002C681MF](#) [450MXH330MEFCSN25X45](#)
[450MXK330MA2RFC22X50](#) [63ZLH560MEFCG412.5X30](#) [ELH2DM331O25KT](#) [ELH2DM471P30KT](#)