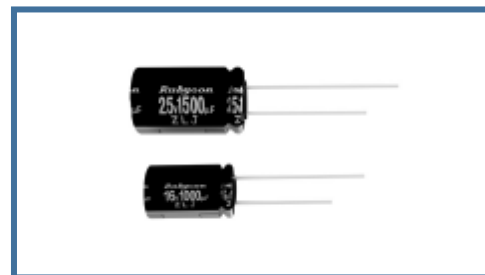


ZLJ SERIES

UPGRADE

105°C High Ripple Current, Long Life, Low Impedance

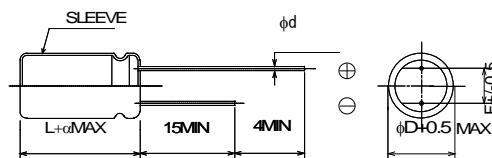
•Load Life : 105°C 6000~10000 hours.

 RoHS
Compliance

◆SPECIFICATIONS

| Item | Characteristics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|------------------------|--------------------|--|--------------------|--|-----------------|------------------------------------|--|-----------------|------------------------------------|-----------------|------------------|----------|-----------|----------|------|------|------|------|------|------|--|------------------|--------|------|------|------|---|---|---|---|---|---------|------|------|------|--|--|--|--|--|------------|------|-------|------|--|--|--|--|--|----------------------------------|-------|--|--|--|--|--|--|--|
| Category Temperature Range | -40~+105°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated Voltage Range | 6.3~100Vdc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Tolerance | ±20% (20°C, 120Hz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current (MAX) | I=0.01CV or 3 μ A whichever is greater. (After 2 minutes) I=Leakage Current (μ A) C=Capacitance (μ F) V=Rated Voltage (Vdc) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dissipation Factor (MAX) | <table border="1"> <thead> <tr> <th>(Vdc) 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>80</th> <th>100</th> <th>(20°C, 120Hz)</th> </tr> </thead> <tbody> <tr> <td>tan δ</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> <td>0.08</td> <td>0.08</td> <td></td> </tr> </tbody> </table> When capacitance is over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF. | (Vdc) Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | (20°C, 120Hz) | tan δ | 0.22 | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 | 0.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (Vdc) Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | (20°C, 120Hz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| tan δ | 0.22 | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 | 0.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endurance | After applying rated voltage with rated ripple current for specified time at 105°C, the capacitors shall meet the following requirements. <table border="1"> <thead> <tr> <th rowspan="2">Capacitance Change</th> <th rowspan="2">Within ±25% of the initial value. (6.3Vdc, 10Vdc: ±30%)</th> <th rowspan="2">Dissipation Factor</th> <th rowspan="2">Not more than 200% of the specified value.</th> <th rowspan="2">Leakage Current</th> <th rowspan="2">Not more than the specified value.</th> <th colspan="3">Life Time (hrs)</th> </tr> <tr> <th>Case Size</th> <th>6.3Vdc</th> <th>10~50Vdc</th> <th>63~100Vdc</th> </tr> </thead> <tbody> <tr> <td>φD ≤ 6.3</td> <td>6000</td> <td>7000</td> <td>6000</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8X11.5</td> <td>8000</td> <td>9000</td> <td>8000</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10X12.5</td> <td>9000</td> <td>9000</td> <td>9000</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8X16, 8X20</td> <td>9000</td> <td>10000</td> <td>9000</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10X16, 10X20, 10X25 φD ≥ 12.5</td> <td colspan="3">10000</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | Capacitance Change | Within ±25% of the initial value. (6.3Vdc, 10Vdc: ±30%) | Dissipation Factor | Not more than 200% of the specified value. | Leakage Current | Not more than the specified value. | Life Time (hrs) | | | Case Size | 6.3Vdc | 10~50Vdc | 63~100Vdc | φD ≤ 6.3 | 6000 | 7000 | 6000 | | | | | | 8X11.5 | 8000 | 9000 | 8000 | | | | | | 10X12.5 | 9000 | 9000 | 9000 | | | | | | 8X16, 8X20 | 9000 | 10000 | 9000 | | | | | | 10X16, 10X20, 10X25 φD ≥ 12.5 | 10000 | | | | | | | |
| Capacitance Change | Within ±25% of the initial value. (6.3Vdc, 10Vdc: ±30%) | Dissipation Factor | | | | | | | Not more than 200% of the specified value. | Leakage Current | Not more than the specified value. | Life Time (hrs) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Case Size | 6.3Vdc | 10~50Vdc | 63~100Vdc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| φD ≤ 6.3 | 6000 | 7000 | 6000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8X11.5 | 8000 | 9000 | 8000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10X12.5 | 9000 | 9000 | 9000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8X16, 8X20 | 9000 | 10000 | 9000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10X16, 10X20, 10X25 φD ≥ 12.5 | 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Low Temperature Stability Impedance Ratio (MAX) | <table border="1"> <thead> <tr> <th>Rated Voltage (Vdc)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>80</th> <th>100</th> <th>(20°C, 120Hz)</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td></td> </tr> <tr> <td>Z(-40°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> <td>3</td> <td>3</td> <td></td> </tr> </tbody> </table> | Rated Voltage (Vdc) | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | (20°C, 120Hz) | Z(-25°C)/Z(20°C) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | Z(-40°C)/Z(20°C) | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated Voltage (Vdc) | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | (20°C, 120Hz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Z(-25°C)/Z(20°C) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Z(-40°C)/Z(20°C) | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

◆MULTIPLIER FOR RIPPLE CURRENT

| Frequency (Hz) | | 120 | 1k | 10k | 100k ≤ |
|----------------|---------------|------|------|------|--------|
| Coefficient | 8.2~39 μ F | 0.42 | 0.70 | 0.90 | 1.00 |
| | 47~270 μ F | 0.50 | 0.73 | 0.92 | 1.00 |
| | 330~680 μ F | 0.55 | 0.77 | 0.94 | 1.00 |
| | 820~1800 μ F | 0.60 | 0.80 | 0.96 | 1.00 |
| | 2200~8200 μ F | 0.70 | 0.85 | 0.98 | 1.00 |

◆DIMENSIONS (mm)


| φD | 5 | 6.3 | 8 | 10 | 12.5 | 16 | 18 |
|----|-----------------|-----|-----|-----|------|-----|-----------------|
| φd | 0.5 | | 0.6 | | 0.8 | | |
| F | 2.0 | 2.5 | 3.5 | 5.0 | | 7.5 | |
| α | L ≤ 16: α = 1.5 | | | | | | L ≥ 20: α = 2.0 |

◆PART NUMBER

| | | | | | | |
|---------------|--------|-------------|-----------------------|--------|--------------|-----------|
| □□□ | ZLJ | □□□□□ | M | □□□ | □□□ | D X L |
| Rated Voltage | Series | Capacitance | Capacitance Tolerance | Option | Lead Forming | Case Size |



RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS

ZLJ

◆STANDARD SIZE

| Rated Voltage (Vdc) | Capacitance (μF) | Size φDXL(mm) | Rated ripple current (mAr.m.s./105°C, 100kHz) | Impedance (Ω MAX) | |
|---------------------|------------------|---------------|---|-------------------|--------------|
| | | | | 20°C,100kHz | -10°C,100kHz |
| 6.3 | 220 | 5X11 | 345 | 0.4 | 1.2 |
| | 470 | 6.3X11 | 540 | 0.17 | 0.51 |
| | 820 | 8X11.5 | 945 | 0.075 | 0.23 |
| | 1000 | 8X16 | 1250 | 0.059 | 0.18 |
| | 1200 | 10X12.5 | 1330 | 0.053 | 0.16 |
| | 1500 | 8X20 | 1500 | 0.041 | 0.13 |
| | 1800 | 10X16 | 1760 | 0.038 | 0.12 |
| | 2700 | 10X20 | 1960 | 0.028 | 0.084 |
| | 3300 | 10X25 | 2250 | 0.024 | 0.072 |
| | 3900 | 12.5X20 | 2480 | 0.025 | 0.075 |
| | 4700 | 12.5X25 | 2900 | 0.019 | 0.057 |
| | 5600 | 12.5X30 | 3450 | 0.018 | 0.054 |
| | 6800 | 12.5X35 | 3570 | 0.016 | 0.048 |
| | 6800 | 16X20 | 3250 | 0.021 | 0.063 |
| 8200 | 16X25 | 3630 | 0.017 | 0.051 | |
| 10 | 150 | 5X11 | 450 | 0.4 | 1.2 |
| | 330 | 6.3X11 | 700 | 0.17 | 0.51 |
| | 560 | 8X11.5 | 1200 | 0.075 | 0.23 |
| | 680 | 8X16 | 1600 | 0.059 | 0.18 |
| | 820 | 10X12.5 | 1700 | 0.053 | 0.16 |
| | 1000 | 8X20 | 1960 | 0.041 | 0.13 |
| | 1200 | 10X16 | 2000 | 0.038 | 0.12 |
| | 1800 | 10X20 | 2500 | 0.028 | 0.084 |
| | 2200 | 10X25 | 2900 | 0.024 | 0.072 |
| | 2700 | 12.5X20 | 2600 | 0.025 | 0.075 |
| | 3300 | 12.5X25 | 3200 | 0.019 | 0.057 |
| | 4700 | 12.5X30 | 3660 | 0.018 | 0.054 |
| | 4700 | 16X20 | 3330 | 0.021 | 0.063 |
| | 5600 | 12.5X35 | 4120 | 0.016 | 0.048 |
| 5600 | 16X25 | 3810 | 0.017 | 0.051 | |
| 16 | 120 | 5X11 | 450 | 0.4 | 1.2 |
| | 270 | 6.3X11 | 700 | 0.17 | 0.51 |
| | 470 | 8X11.5 | 1200 | 0.075 | 0.23 |
| | 560 | 8X16 | 1600 | 0.059 | 0.18 |
| | 680 | 8X16 | 1600 | 0.059 | 0.18 |
| | 680 | 10X12.5 | 1700 | 0.053 | 0.16 |
| | 820 | 8X20 | 1960 | 0.041 | 0.13 |
| | 1000 | 8X20 | 1960 | 0.041 | 0.13 |
| | 1000 | 10X16 | 2000 | 0.038 | 0.12 |
| | 1500 | 10X20 | 2500 | 0.028 | 0.084 |
| | 1800 | 10X25 | 2900 | 0.024 | 0.072 |
| | 2200 | 12.5X20 | 2600 | 0.025 | 0.075 |
| | 2700 | 12.5X25 | 3200 | 0.019 | 0.057 |
| | 3300 | 12.5X30 | 3660 | 0.018 | 0.054 |
| 3300 | 16X20 | 3330 | 0.021 | 0.063 | |
| 3900 | 12.5X35 | 4120 | 0.016 | 0.048 | |
| 4700 | 16X25 | 3810 | 0.017 | 0.051 | |
| 25 | 68 | 5X11 | 450 | 0.4 | 1.2 |
| | 150 | 6.3X11 | 700 | 0.17 | 0.51 |
| | 330 | 8X11.5 | 1200 | 0.075 | 0.23 |
| | 390 | 8X16 | 1600 | 0.059 | 0.18 |
| | 470 | 10X12.5 | 1700 | 0.053 | 0.16 |
| | 560 | 8X20 | 1960 | 0.041 | 0.13 |
| | 680 | 10X16 | 2000 | 0.038 | 0.12 |
| | 1000 | 10X20 | 2500 | 0.028 | 0.084 |
| | 1200 | 10X25 | 2900 | 0.024 | 0.072 |
| | 1500 | 12.5X20 | 2600 | 0.025 | 0.075 |
| | 1800 | 12.5X25 | 3200 | 0.019 | 0.057 |
| | 2200 | 12.5X30 | 3660 | 0.018 | 0.054 |
| | 2200 | 16X20 | 3330 | 0.021 | 0.063 |
| | 2700 | 12.5X35 | 4120 | 0.016 | 0.048 |
| 3300 | 16X25 | 3810 | 0.017 | 0.051 | |
| 35 | 47 | 5X11 | 450 | 0.4 | 1.2 |
| | 100 | 6.3X11 | 700 | 0.17 | 0.51 |
| | 180 | 8X11.5 | 1200 | 0.075 | 0.23 |
| | 220 | 8X16 | 1600 | 0.059 | 0.18 |
| | 220 | 10X16 | 1760 | 0.038 | 0.12 |

| Rated Voltage (Vdc) | Capacitance (μF) | Size φDXL(mm) | Rated ripple current (mAr.m.s./105°C, 100kHz) | Impedance (Ω MAX) | | |
|---------------------|------------------|---------------|---|-------------------|--------------|------|
| | | | | 20°C,100kHz | -10°C,100kHz | |
| 35 | 270 | 8X16 | 1600 | 0.059 | 0.18 | |
| | 270 | 10X12.5 | 1700 | 0.053 | 0.16 | |
| | 330 | 8X20 | 1960 | 0.041 | 0.13 | |
| | 330 | 10X12.5 | 1700 | 0.053 | 0.16 | |
| | 390 | 8X20 | 1960 | 0.041 | 0.13 | |
| | 390 | 10X16 | 2000 | 0.038 | 0.12 | |
| | 470 | 10X16 | 2000 | 0.038 | 0.12 | |
| | 560 | 10X20 | 2500 | 0.028 | 0.084 | |
| | 680 | 10X25 | 2900 | 0.024 | 0.072 | |
| | 820 | 12.5X20 | 2600 | 0.025 | 0.075 | |
| | 1000 | 12.5X20 | 2600 | 0.025 | 0.075 | |
| | 1200 | 12.5X25 | 3200 | 0.019 | 0.057 | |
| | 1500 | 12.5X30 | 3660 | 0.018 | 0.054 | |
| | 1500 | 16X20 | 3330 | 0.021 | 0.063 | |
| | 1800 | 12.5X35 | 4120 | 0.016 | 0.048 | |
| | 1800 | 16X25 | 3810 | 0.017 | 0.051 | |
| | 50 | 27 | 5X11 | 310 | 0.48 | 1.5 |
| | | 56 | 6.3X11 | 500 | 0.22 | 0.66 |
| 100 | | 8X11.5 | 950 | 0.12 | 0.36 | |
| 120 | | 8X11.5 | 1300 | 0.11 | 0.33 | |
| 120 | | 8X16 | 1230 | 0.082 | 0.25 | |
| 150 | | 10X12.5 | 1280 | 0.073 | 0.22 | |
| 180 | | 8X16 | 1700 | 0.081 | 0.24 | |
| 180 | | 8X20 | 1580 | 0.058 | 0.18 | |
| 220 | | 10X12.5 | 1700 | 0.071 | 0.21 | |
| 220 | | 10X16 | 1650 | 0.053 | 0.16 | |
| 270 | | 8X20 | 2100 | 0.058 | 0.17 | |
| 330 | | 10X16 | 2100 | 0.052 | 0.16 | |
| 330 | | 10X20 | 2060 | 0.038 | 0.12 | |
| 390 | | 10X25 | 2420 | 0.032 | 0.1 | |
| 470 | | 10X20 | 2500 | 0.037 | 0.11 | |
| 470 | | 12.5X16 | 2200 | 0.04 | 0.12 | |
| 470 | | 12.5X20 | 2300 | 0.03 | 0.1 | |
| 560 | | 10X25 | 2900 | 0.031 | 0.093 | |
| 680 | | 12.5X20 | 2700 | 0.029 | 0.087 | |
| 680 | | 12.5X25 | 2800 | 0.025 | 0.08 | |
| 820 | | 12.5X30 | 3370 | 0.023 | 0.074 | |
| 820 | | 16X20 | 3070 | 0.026 | 0.084 | |
| 1000 | | 12.5X25 | 3000 | 0.022 | 0.066 | |
| 1000 | | 12.5X30 | 3500 | 0.02 | 0.06 | |
| 1000 | 12.5X35 | 3810 | 0.021 | 0.067 | | |
| 1000 | 16X25 | 3510 | 0.022 | 0.07 | | |
| 1200 | 12.5X35 | 4000 | 0.017 | 0.051 | | |
| 1200 | 16X20 | 3100 | 0.023 | 0.069 | | |
| 1500 | 12.5X40 | 4500 | 0.019 | 0.057 | | |
| 1500 | 16X25 | 3600 | 0.018 | 0.054 | | |
| 1500 | 18X20 | 3200 | 0.029 | 0.087 | | |
| 2200 | 16X31.5 | 4100 | 0.018 | 0.054 | | |
| 2200 | 18X25 | 3700 | 0.022 | 0.066 | | |
| 2700 | 16X35.5 | 4400 | 0.016 | 0.048 | | |
| 2700 | 16X40 | 4800 | 0.014 | 0.042 | | |
| 2700 | 18X31.5 | 4200 | 0.019 | 0.057 | | |
| 3300 | 18X35.5 | 4600 | 0.016 | 0.048 | | |
| 3900 | 18X40 | 5000 | 0.014 | 0.042 | | |
| 63 | 18 | 5X11 | 240 | 0.71 | 3.2 | |
| | 47 | 6.3X11 | 420 | 0.28 | 1.3 | |
| | 82 | 8X11.5 | 720 | 0.18 | 0.79 | |
| | 100 | 8X11.5 | 1000 | 0.13 | 0.39 | |
| | 100 | 8X16 | 990 | 0.13 | 0.58 | |
| | 120 | 8X16 | 1300 | 0.095 | 0.29 | |
| | 120 | 10X12.5 | 990 | 0.11 | 0.44 | |
| | 150 | 8X20 | 1200 | 0.096 | 0.43 | |
| | 150 | 10X12.5 | 1300 | 0.08 | 0.24 | |
| | 180 | 8X20 | 1600 | 0.069 | 0.21 | |
| 180 | 10X16 | 1200 | 0.076 | 0.31 | | |
| 220 | 10X16 | 1700 | 0.058 | 0.17 | | |

*Specifications subject to change without notice.



RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS

ZLJ

◆STANDARD SIZE

| Rated Voltage (Vdc) | Capacitance (μF) | Size φDXL(mm) | Rated ripple current (mAr.m.s./105°C, 100kHz) | Impedance (Ω MAX) | |
|---------------------|------------------|---------------|---|-------------------|--------------|
| | | | | 20°C,100kHz | -10°C,100kHz |
| 63 | 270 | 10X20 | 1570 | 0.056 | 0.23 |
| | 270 | 12.5X16 | 1570 | 0.072 | 0.27 |
| | 330 | 10X20 | 2000 | 0.042 | 0.13 |
| | 330 | 10X25 | 1990 | 0.046 | 0.19 |
| | 330 | 12.5X16 | 1900 | 0.045 | 0.14 |
| | 390 | 10X25 | 2400 | 0.035 | 0.11 |
| | 390 | 12.5X20 | 1990 | 0.041 | 0.13 |
| | 470 | 12.5X20 | 2400 | 0.033 | 0.099 |
| | 470 | 12.5X25 | 2460 | 0.031 | 0.093 |
| | 560 | 12.5X30 | 2760 | 0.028 | 0.084 |
| | 560 | 16X20 | 2380 | 0.032 | 0.096 |
| | 680 | 12.5X25 | 2800 | 0.025 | 0.075 |
| | 680 | 12.5X35 | 3040 | 0.024 | 0.072 |
| | 820 | 12.5X30 | 3200 | 0.022 | 0.066 |
| | 820 | 16X20 | 2900 | 0.025 | 0.075 |
| | 820 | 16X25 | 2890 | 0.025 | 0.075 |
| | 1000 | 12.5X35 | 3500 | 0.018 | 0.054 |
| | 1000 | 16X25 | 3200 | 0.02 | 0.06 |
| | 1200 | 12.5X40 | 3800 | 0.021 | 0.063 |
| | 1200 | 18X20 | 3000 | 0.032 | 0.096 |
| | 1500 | 16X31.5 | 3500 | 0.02 | 0.06 |
| | 1500 | 18X25 | 3200 | 0.024 | 0.072 |
| | 1800 | 16X35.5 | 3800 | 0.017 | 0.051 |
| | 1800 | 18X31.5 | 3700 | 0.02 | 0.06 |
| 2200 | 16X40 | 4100 | 0.015 | 0.045 | |
| 2200 | 18X35.5 | 3900 | 0.017 | 0.051 | |
| 2700 | 18X40 | 4300 | 0.015 | 0.045 | |
| 80 | ●12 | 5X11 | 235 | 0.72 | 3.2 NEW |
| | 12 | 5X11 | 220 | 1.2 | 5.4 |
| | ●27 | 6.3X11 | 390 | 0.34 | 1.5 NEW |
| | 27 | 6.3X11 | 370 | 0.46 | 2.1 |
| | ●47 | 8X11.5 | 650 | 0.2 | 0.9 NEW |
| | 47 | 8X11.5 | 620 | 0.29 | 1.3 |
| | 56 | 8X16 | 780 | 0.2 | 0.9 |
| | 68 | 10X12.5 | 780 | 0.17 | 0.66 |
| | 82 | 8X16 | 820 | 0.14 | 0.63 NEW |
| | 82 | 8X20 | 1040 | 0.16 | 0.66 |
| | 100 | 10X12.5 | 860 | 0.14 | 0.56 NEW |
| | 100 | 10X16 | 1040 | 0.11 | 0.47 |
| | 120 | 8X20 | 1090 | 0.12 | 0.54 NEW |
| | 150 | 10X16 | 1150 | 0.09 | 0.36 NEW |
| | 150 | 10X20 | 1430 | 0.084 | 0.34 |
| | 150 | 12.5X16 | 1430 | 0.11 | 0.34 |
| | 180 | 10X25 | 1620 | 0.069 | 0.28 |
| | 220 | 10X20 | 1570 | 0.068 | 0.28 NEW |
| | 220 | 12.5X16 | 1430 | 0.09 | 0.27 NEW |
| | 220 | 12.5X20 | 1750 | 0.062 | 0.18 |
| | 270 | 10X25 | 1780 | 0.055 | 0.22 NEW |
| | 270 | 12.5X25 | 2210 | 0.047 | 0.14 |
| | 330 | 12.5X20 | 1800 | 0.048 | 0.15 NEW |
| | 330 | 12.5X30 | 2400 | 0.042 | 0.13 |
| | 330 | 16X20 | 1950 | 0.048 | 0.15 |
| | 390 | 12.5X25 | 2210 | 0.038 | 0.12 NEW |
| | 390 | 12.5X35 | 2600 | 0.036 | 0.11 |
| | 470 | 12.5X30 | 2520 | 0.033 | 0.11 NEW |
| | 470 | 12.5X40 | 2860 | 0.032 | 0.095 |
| | 470 | 16X20 | 2150 | 0.036 | 0.12 NEW |
| | 470 | 16X25 | 2430 | 0.038 | 0.12 |
| | 470 | 18X20 | 2270 | 0.045 | 0.14 |
| | 560 | 12.5X35 | 2860 | 0.026 | 0.078 NEW |
| | 560 | 16X31.5 | 2640 | 0.032 | 0.095 |
| | 680 | 12.5X40 | 3150 | 0.026 | 0.078 NEW |
| | 680 | 16X25 | 2620 | 0.028 | 0.084 NEW |
| 680 | 18X20 | 2280 | 0.032 | 0.096 NEW | |
| 680 | 18X20 | 2280 | 0.032 | 0.096 NEW | |
| 680 | 16X35.5 | 2860 | 0.029 | 0.086 | |
| 680 | 18X20 | 2280 | 0.032 | 0.096 NEW | |
| 680 | 16X35.5 | 2860 | 0.029 | 0.086 | |
| 680 | 18X25 | 2500 | 0.036 | 0.11 | |

| Rated Voltage (Vdc) | Capacitance (μF) | Size φDXL(mm) | Rated ripple current (mAr.m.s./105°C, 100kHz) | Impedance (Ω MAX) | |
|---------------------|------------------|---------------|---|-------------------|--------------|
| | | | | 20°C,100kHz | -10°C,100kHz |
| 80 | 820 | 16X31.5 | 2900 | 0.022 | 0.066 NEW |
| | 820 | 16X40 | 3510 | 0.027 | 0.081 |
| | 820 | 18X31.5 | 2860 | 0.03 | 0.09 |
| | 1000 | 16X35.5 | 3150 | 0.02 | 0.06 NEW |
| | 1000 | 18X25 | 2750 | 0.027 | 0.081 NEW |
| | 1000 | 18X35.5 | 3510 | 0.027 | 0.081 |
| | 1200 | 16X40 | 3710 | 0.018 | 0.054 NEW |
| | 1200 | 18X31.5 | 3150 | 0.02 | 0.06 NEW |
| | 1200 | 18X40 | 3860 | 0.026 | 0.076 |
| | 1500 | 18X35.5 | 3710 | 0.018 | 0.054 NEW |
| | 1800 | 18X40 | 4060 | 0.017 | 0.051 NEW |
| | ●8.2 | 5X11 | 235 | 0.72 | 3.2 NEW |
| | 8.2 | 5X11 | 220 | 1.2 | 5.4 |
| | ●18 | 6.3X11 | 390 | 0.34 | 1.5 NEW |
| | 18 | 6.3X11 | 370 | 0.46 | 2.1 |
| | ●33 | 8X11.5 | 650 | 0.2 | 0.9 NEW |
| | 33 | 8X11.5 | 620 | 0.29 | 1.3 |
| | ●47 | 8X16 | 820 | 0.14 | 0.63 NEW |
| | 47 | 8X16 | 780 | 0.2 | 0.9 |
| | ●56 | 10X12.5 | 860 | 0.14 | 0.56 NEW |
| | 56 | 10X12.5 | 780 | 0.17 | 0.66 |
| | ●68 | 8X20 | 1090 | 0.12 | 0.54 NEW |
| | 68 | 8X20 | 1040 | 0.16 | 0.66 |
| | ●82 | 10X16 | 1150 | 0.09 | 0.36 NEW |
| 82 | 10X16 | 1040 | 0.11 | 0.47 | |
| 100 | 10X20 | 1430 | 0.084 | 0.34 | |
| 100 | 12.5X16 | 1430 | 0.11 | 0.34 | |
| 120 | 10X20 | 1570 | 0.068 | 0.28 NEW | |
| 120 | 10X25 | 1620 | 0.069 | 0.28 | |
| 120 | 12.5X16 | 1430 | 0.09 | 0.27 NEW | |
| 150 | 10X25 | 1780 | 0.055 | 0.22 NEW | |
| 150 | 12.5X20 | 1750 | 0.062 | 0.18 | |
| 180 | 12.5X20 | 1800 | 0.048 | 0.15 NEW | |
| ●220 | 12.5X25 | 2210 | 0.038 | 0.12 NEW | |
| 220 | 12.5X25 | 2210 | 0.047 | 0.14 | |
| ●270 | 12.5X30 | 2520 | 0.033 | 0.11 NEW | |
| 270 | 12.5X30 | 2400 | 0.042 | 0.13 | |
| 270 | 16X20 | 1950 | 0.048 | 0.15 | |
| 330 | 12.5X35 | 2600 | 0.036 | 0.11 | |
| 330 | 16X20 | 2150 | 0.036 | 0.12 NEW | |
| 390 | 12.5X35 | 2860 | 0.026 | 0.078 NEW | |
| 390 | 12.5X40 | 2860 | 0.032 | 0.095 | |
| ●390 | 16X25 | 2620 | 0.028 | 0.084 NEW | |
| 390 | 16X25 | 2430 | 0.038 | 0.12 | |
| ●390 | 18X20 | 2280 | 0.032 | 0.096 NEW | |
| 390 | 18X20 | 2270 | 0.045 | 0.14 | |
| 470 | 12.5X40 | 3150 | 0.026 | 0.078 NEW | |
| 470 | 16X31.5 | 2640 | 0.032 | 0.095 | |
| 470 | 18X25 | 2500 | 0.036 | 0.11 | |
| 560 | 16X31.5 | 2900 | 0.022 | 0.066 NEW | |
| 560 | 16X35.5 | 2860 | 0.029 | 0.086 | |
| 560 | 18X25 | 2750 | 0.027 | 0.081 NEW | |
| 560 | 18X31.5 | 2860 | 0.03 | 0.09 | |
| 680 | 16X35.5 | 3150 | 0.02 | 0.06 NEW | |
| 680 | 16X40 | 3510 | 0.027 | 0.081 | |
| 680 | 18X31.5 | 3150 | 0.02 | 0.06 NEW | |
| 680 | 18X35.5 | 3510 | 0.027 | 0.081 | |
| 820 | 16X40 | 3710 | 0.018 | 0.054 NEW | |
| 820 | 18X35.5 | 3710 | 0.018 | 0.054 NEW | |
| 820 | 18X40 | 3860 | 0.026 | 0.076 | |
| 1000 | 18X40 | 4060 | 0.017 | 0.051 NEW | |

● : OPTION has EFU.

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