

ZLJ series

105°C 6000~10000時間品 高リップル 長寿命 低インピーダンス品
105°C 6000~10000 hours.High Ripple Current, Long Life, Low Impedance



◆規格表/SPECIFICATIONS

| 項目 Item | 特性 Characteristics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|----------------------------------|-------------------------------|---|---------------------|-------------------|------------|------|-------------------|------|---------------|-----|---------------|-------------------|-----------|--------|------------------------------|--|----------|------|------|------|------|--------|------|---|------|---|-------------------------|---|---------|------|------|------|---|------------|------|-------|------|------|--|--|----------------------------------|-------|--|--|--|--|--|--|--|
| カテゴリ温度範囲 Category Temperature Range | -40~+105°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 定格電圧範囲 Rated Voltage Range | 6.3~120Vdc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 静電容量許容差 Capacitance Tolerance | ±20%(20°C, 120Hz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏れ電流 Leakage Current (MAX) | I=0.01CV又は3µAのいずれか大なる値以下(定格電圧印加2分後) I=0.01CV or 3µA whichever is greater. (After 2 minutes) I=漏れ電流(µA) C=静電容量(µF) V=定格電圧(Vdc) Leakage Current Capacitance Rated Voltage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 損失角の正接(tan δ) Dissipation Factor (MAX) | <table border="1"> <thead> <tr> <th>定格電圧 (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>120</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>0.08</td> <td></td> </tr> </tbody> </table> | 定格電圧 (Vdc) Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | 120 | (20°C, 120Hz) | tan δ | 0.22 | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 | 0.08 | 0.08 | | 1000µFを超えるものは1000µF増す毎に上記の表に0.02を加えた値とする。 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 定格電圧 (Vdc) Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | 120 | (20°C, 120Hz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| tan δ | 0.22 | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 | 0.08 | 0.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 耐久性 Endurance | <p>105°C中で右表の時間定格電圧(リップル重畳)印加後、下記規格を満足すること。 After applying rated voltage with rated ripple current for specified time at 105°C, the capacitors shall meet the following requirements.</p> <table border="1"> <thead> <tr> <th rowspan="2">静電容量変化率 Capacitance Change</th> <th rowspan="2">初期値の ±25%以内 (6.3Vdc, 10Vdc: ±30%) Within ±25% of the initial value.</th> <th colspan="4">ケースサイズ Case Size</th> <th colspan="4">時間(hrs) Life Time</th> </tr> <tr> <th>6.3Vdc</th> <th>10~50Vdc</th> <th>63~100Vdc</th> <th>120Vdc</th> </tr> </thead> <tbody> <tr> <td>損失角の正接 Dissipation Factor</td> <td>規格値の200%以下 Not more than 200% of the specified value.</td> <td>φD ≤ 6.3</td> <td>6000</td> <td>7000</td> <td>6000</td> <td>-</td> <td>8X11.5</td> <td>8000</td> <td>9000</td> <td>8000</td> <td>-</td> </tr> <tr> <td>漏れ電流 Leakage Current</td> <td>規格値以下 Not more than the specified value.</td> <td>10X12.5</td> <td>9000</td> <td>9000</td> <td>9000</td> <td>-</td> <td>8X16, 8X20</td> <td>9000</td> <td>10000</td> <td>9000</td> <td>9000</td> </tr> <tr> <td></td> <td></td> <td>10X16, 10X20, 10X25 φD ≥ 12.5</td> <td colspan="4">10000</td> <td colspan="4"></td> </tr> </tbody> </table> | | 静電容量変化率 Capacitance Change | 初期値の ±25%以内 (6.3Vdc, 10Vdc: ±30%) Within ±25% of the initial value. | ケースサイズ Case Size | | | | 時間(hrs) Life Time | | | | 6.3Vdc | 10~50Vdc | 63~100Vdc | 120Vdc | 損失角の正接 Dissipation Factor | 規格値の200%以下 Not more than 200% of the specified value. | φD ≤ 6.3 | 6000 | 7000 | 6000 | - | 8X11.5 | 8000 | 9000 | 8000 | - | 漏れ電流 Leakage Current | 規格値以下 Not more than the specified value. | 10X12.5 | 9000 | 9000 | 9000 | - | 8X16, 8X20 | 9000 | 10000 | 9000 | 9000 | | | 10X16, 10X20, 10X25 φD ≥ 12.5 | 10000 | | | | | | | |
| 静電容量変化率 Capacitance Change | 初期値の ±25%以内 (6.3Vdc, 10Vdc: ±30%) Within ±25% of the initial value. | ケースサイズ Case Size | | | | 時間(hrs) Life Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 6.3Vdc | 10~50Vdc | 63~100Vdc | 120Vdc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 損失角の正接 Dissipation Factor | 規格値の200%以下 Not more than 200% of the specified value. | φD ≤ 6.3 | 6000 | 7000 | 6000 | - | 8X11.5 | 8000 | 9000 | 8000 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏れ電流 Leakage Current | 規格値以下 Not more than the specified value. | 10X12.5 | 9000 | 9000 | 9000 | - | 8X16, 8X20 | 9000 | 10000 | 9000 | 9000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 10X16, 10X20, 10X25 φD ≥ 12.5 | 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 低温特性 Low Temperature Stability (インピーダンス比) Impedance Ratio (MAX) | <table border="1"> <thead> <tr> <th>定格電圧 (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>120</th> <th>(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>3</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>4</td> <td></td> </tr> </tbody> </table> | 定格電圧 (Vdc) Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | 120 | (120Hz) | Z(-25°C)/Z(+20°C) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | | Z(-40°C)/Z(+20°C) | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | | | | | | | | | | | | | | | |
| 定格電圧 (Vdc) Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | 120 | (120Hz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Z(-25°C)/Z(+20°C) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Z(-40°C)/Z(+20°C) | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

◆呼称方法/PART NUMBER

□□□ ZLJ □□□□□ M □□□ □□ D x L
 定格電圧 シリーズ名 静電容量 静電容量許容差 副記号 リード加工記号 ケースサイズ
 Rated Voltage Series Capacitance Capacitance Tolerance Option Lead Forming Case Size

◆リップル電流補正係数/
MULTIPLIER FOR RIPPLE CURRENT

| 周波数 (Hz) Frequency | 120 | 1k | 10k | 100k ≤ |
|-----------------------|------|------|------|--------|
| 8.2~33 µF | 0.42 | 0.70 | 0.90 | 1.00 |
| 47~270 µF | 0.50 | 0.73 | 0.92 | 1.00 |
| 330~680 µF | 0.55 | 0.77 | 0.94 | 1.00 |
| 820~1800 µF | 0.60 | 0.80 | 0.96 | 1.00 |
| 2200~8200 µF | 0.70 | 0.85 | 0.98 | 1.00 |

◆副記号/OPTION

ブランク : 標準品
EFU : 低インピーダンス仕様品
Blank : Standard item
EFU : Low Impedance items

◆寸法図／DIMENSIONS



| 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 |

◆標準品一覧表／STANDARD SIZE

| 定格電圧 Rated Voltage (Vdc) | 静電容量 Capacitance (μF) | 外形寸法 Size φD×L (mm) | 定格リップル 電流 Rated Ripple Current | インピーダンス (Ω MAX) Impedance | |
|--------------------------------|-----------------------------|---------------------------|---|---------------------------------|---------------|
| | | | | 20°C, 100kHz | -10°C, 100kHz |
| | | | | 6.3 | 220 |
| | 470 | 6.3×11 | 540 | 0.17 | 0.51 |
| | 820 | 8×11.5 | 945 | 0.075 | 0.23 |
| | 1000 | 8×16 | 1250 | 0.059 | 0.18 |
| | 1200 | 10×12.5 | 1330 | 0.053 | 0.16 |
| | 1500 | 8×20 | 1500 | 0.041 | 0.13 |
| | 1800 | 10×16 | 1760 | 0.038 | 0.12 |
| | 2700 | 10×20 | 1960 | 0.028 | 0.084 |
| | 3300 | 10×25 | 2250 | 0.024 | 0.072 |
| | 3900 | 12.5×20 | 2480 | 0.025 | 0.075 |
| | 4700 | 12.5×25 | 2900 | 0.019 | 0.057 |
| | 5600 | 12.5×30 | 3450 | 0.018 | 0.054 |
| | 6800 | 12.5×35 | 3570 | 0.016 | 0.048 |
| | 6800 | 16×20 | 3250 | 0.021 | 0.063 |
| | 8200 | 16×25 | 3630 | 0.017 | 0.051 |
| 10 | 150 | 5×11 | 450 | 0.40 | 1.2 |
| | 330 | 6.3×11 | 700 | 0.17 | 0.51 |
| | 560 | 8×11.5 | 1200 | 0.075 | 0.23 |
| | 680 | 8×16 | 1600 | 0.059 | 0.18 |
| | 820 | 10×12.5 | 1700 | 0.053 | 0.16 |
| | 1000 | 8×20 | 1960 | 0.041 | 0.13 |
| | 1200 | 10×16 | 2000 | 0.038 | 0.12 |
| | 1800 | 10×20 | 2500 | 0.028 | 0.084 |
| | 2200 | 10×25 | 2900 | 0.024 | 0.072 |
| | 2700 | 12.5×20 | 2600 | 0.025 | 0.075 |
| | 3300 | 12.5×25 | 3200 | 0.019 | 0.057 |
| | 4700 | 12.5×30 | 3660 | 0.018 | 0.054 |
| | 4700 | 16×20 | 3330 | 0.021 | 0.063 |
| | 5600 | 12.5×35 | 4120 | 0.016 | 0.048 |
| | 5600 | 16×25 | 3810 | 0.017 | 0.051 |
| 16 | 120 | 5×11 | 450 | 0.40 | 1.2 |
| | 270 | 6.3×11 | 700 | 0.17 | 0.51 |
| | 470 | 8×11.5 | 1200 | 0.075 | 0.23 |
| | 560 | 8×16 | 1600 | 0.059 | 0.18 |
| | 680 | 8×16 | 1600 | 0.059 | 0.18 |
| | 680 | 10×12.5 | 1700 | 0.053 | 0.16 |
| | 820 | 8×20 | 1960 | 0.041 | 0.13 |
| | 1000 | 8×20 | 1960 | 0.041 | 0.13 |
| | 1000 | 10×16 | 2000 | 0.038 | 0.12 |
| | 1500 | 10×20 | 2500 | 0.028 | 0.084 |
| | 1800 | 10×25 | 2900 | 0.024 | 0.072 |
| | 2200 | 12.5×20 | 2600 | 0.025 | 0.075 |
| | 2700 | 12.5×25 | 3200 | 0.019 | 0.057 |
| | 3300 | 12.5×30 | 3660 | 0.018 | 0.054 |
| | 3300 | 16×20 | 3330 | 0.021 | 0.063 |
| | 3900 | 12.5×35 | 4120 | 0.016 | 0.048 |
| | 4700 | 16×25 | 3810 | 0.017 | 0.051 |

Rated Ripple Current (mA r.m.s./105°C, 100kHz)

| 定格電圧 Rated Voltage (Vdc) | 静電容量 Capacitance (μF) | 外形寸法 Size φD×L (mm) | 定格リップル 電流 Rated Ripple Current | インピーダンス (Ω MAX) Impedance | |
|--------------------------------|-----------------------------|---------------------------|---|---------------------------------|---------------|
| | | | | 20°C, 100kHz | -10°C, 100kHz |
| | | | | 25 | 68 |
| | 150 | 6.3×11 | 700 | 0.17 | 0.51 |
| | 330 | 8×11.5 | 1200 | 0.075 | 0.23 |
| | 390 | 8×16 | 1600 | 0.059 | 0.18 |
| | 470 | 10×12.5 | 1700 | 0.053 | 0.16 |
| | 560 | 8×20 | 1960 | 0.041 | 0.13 |
| | 680 | 10×16 | 2000 | 0.038 | 0.12 |
| | 1000 | 10×20 | 2500 | 0.028 | 0.084 |
| | 1200 | 10×25 | 2900 | 0.024 | 0.072 |
| | 1500 | 12.5×20 | 2600 | 0.025 | 0.075 |
| | 1800 | 12.5×25 | 3200 | 0.019 | 0.057 |
| | 2200 | 12.5×30 | 3660 | 0.018 | 0.054 |
| | 2200 | 16×20 | 3330 | 0.021 | 0.063 |
| | 2700 | 12.5×35 | 4120 | 0.016 | 0.048 |
| | 3300 | 16×25 | 3810 | 0.017 | 0.051 |
| 35 | 47 | 5×11 | 450 | 0.40 | 1.2 |
| | 100 | 6.3×11 | 700 | 0.17 | 0.51 |
| | 180 | 8×11.5 | 1200 | 0.075 | 0.23 |
| | 220 | 8×16 | 1600 | 0.059 | 0.18 |
| | 270 | 8×16 | 1600 | 0.059 | 0.18 |
| | 270 | 10×12.5 | 1700 | 0.053 | 0.16 |
| | 330 | 8×20 | 1960 | 0.041 | 0.13 |
| | 330 | 10×12.5 | 1700 | 0.053 | 0.16 |
| | 390 | 8×20 | 1960 | 0.041 | 0.13 |
| | 390 | 10×16 | 2000 | 0.038 | 0.12 |
| | 470 | 10×16 | 2000 | 0.038 | 0.12 |
| | 560 | 10×20 | 2500 | 0.028 | 0.084 |
| | 680 | 10×25 | 2900 | 0.024 | 0.072 |
| | 820 | 12.5×20 | 2600 | 0.025 | 0.075 |
| | 1000 | 12.5×20 | 2600 | 0.025 | 0.075 |
| | 1200 | 12.5×25 | 3200 | 0.019 | 0.057 |
| | 1500 | 12.5×30 | 3660 | 0.018 | 0.054 |
| | 1800 | 12.5×35 | 4120 | 0.016 | 0.048 |
| | 1800 | 16×25 | 3810 | 0.017 | 0.051 |
| 50 | 27 | 5×11 | 310 | 0.48 | 1.5 |
| | 56 | 6.3×11 | 500 | 0.22 | 0.66 |
| | 100 | 8×11.5 | 950 | 0.12 | 0.36 |
| | 120 | 8×11.5 | 1300 | 0.11 | 0.33 |
| | 120 | 8×16 | 1230 | 0.082 | 0.25 |
| | 150 | 10×12.5 | 1280 | 0.073 | 0.22 |
| | 180 | 8×16 | 1700 | 0.081 | 0.24 |
| | 180 | 8×20 | 1580 | 0.058 | 0.18 |
| | 220 | 10×12.5 | 1700 | 0.071 | 0.21 |
| | 220 | 10×16 | 1650 | 0.053 | 0.16 |
| | 270 | 8×20 | 2100 | 0.058 | 0.17 |
| | 330 | 10×16 | 2100 | 0.052 | 0.16 |

◆標準品一覧表／STANDARD SIZE

Rated Ripple Current (mA r.m.s./105°C, 100kHz)

| 定格電圧 Rated Voltage (Vdc) | 静電容量 Capacitance (μ F) | 外形寸法 Size ϕ DxL (mm) | 定格リップル 電流 Rated Ripple Current | インピーダンス (Ω MAX) Impedance | |
|--------------------------------|-----------------------------------|---------------------------------|---|---|---------------|
| | | | | 20°C, 100kHz | -10°C, 100kHz |
| | | | | 50 | 330 |
| 390 | 10×25 | 2420 | 0.032 | | 0.10 |
| 470 | 10×20 | 2500 | 0.037 | | 0.11 |
| 470 | 12.5×16 | 2200 | 0.040 | | 0.12 |
| 470 | 12.5×20 | 2300 | 0.032 | | 0.10 |
| 560 | 10×25 | 2900 | 0.031 | | 0.093 |
| 680 | 12.5×20 | 2700 | 0.029 | | 0.087 |
| 680 | 12.5×25 | 2800 | 0.025 | | 0.080 |
| 820 | 12.5×30 | 3370 | 0.023 | | 0.074 |
| 820 | 16×20 | 3070 | 0.026 | | 0.084 |
| 1000 | 12.5×25 | 3000 | 0.022 | | 0.066 |
| 1000 | 12.5×30 | 3500 | 0.020 | | 0.060 |
| 1000 | 12.5×35 | 3810 | 0.021 | | 0.067 |
| 1000 | 16×25 | 3510 | 0.022 | | 0.070 |
| 1200 | 12.5×35 | 4000 | 0.017 | | 0.051 |
| 1200 | 16×20 | 3100 | 0.023 | | 0.069 |
| 1500 | 12.5×40 | 4500 | 0.019 | | 0.057 |
| 1500 | 16×25 | 3600 | 0.018 | | 0.054 |
| 1500 | 18×20 | 3200 | 0.029 | | 0.087 |
| 2200 | 16×31.5 | 4100 | 0.018 | | 0.054 |
| 2200 | 18×25 | 3700 | 0.022 | 0.066 | |
| 2700 | 16×35.5 | 4400 | 0.016 | 0.048 | |
| 2700 | 16×40 | 4800 | 0.014 | 0.042 | |
| 2700 | 18×31.5 | 4200 | 0.019 | 0.057 | |
| 3300 | 18×35.5 | 4600 | 0.016 | 0.048 | |
| 3900 | 18×40 | 5000 | 0.014 | 0.042 | |
| 63 | 18 | 5×11 | 240 | 0.71 | 3.2 |
| | 47 | 6.3×11 | 420 | 0.28 | 1.3 |
| | 82 | 8×11.5 | 720 | 0.18 | 0.79 |
| | 100 | 8×11.5 | 1000 | 0.13 | 0.39 |
| | 100 | 8×16 | 990 | 0.13 | 0.58 |
| | 120 | 8×16 | 1300 | 0.095 | 0.29 |
| | 120 | 10×12.5 | 990 | 0.110 | 0.44 |
| | 150 | 8×20 | 1200 | 0.096 | 0.43 |
| | 150 | 10×12.5 | 1300 | 0.080 | 0.24 |
| | 180 | 8×20 | 1600 | 0.069 | 0.21 |
| | 180 | 10×16 | 1200 | 0.076 | 0.31 |
| | 220 | 10×16 | 1700 | 0.058 | 0.17 |
| | 270 | 10×20 | 1570 | 0.056 | 0.23 |
| | 270 | 12.5×16 | 1570 | 0.072 | 0.27 |
| | 330 | 10×20 | 2000 | 0.042 | 0.13 |
| | 330 | 10×25 | 1990 | 0.046 | 0.19 |
| | 330 | 12.5×16 | 1900 | 0.045 | 0.14 |
| | 390 | 10×25 | 2400 | 0.035 | 0.11 |
| | 390 | 12.5×20 | 1990 | 0.041 | 0.13 |
| | 470 | 12.5×20 | 2400 | 0.033 | 0.099 |
| | 470 | 12.5×25 | 2460 | 0.031 | 0.093 |
| | 560 | 12.5×30 | 2760 | 0.028 | 0.084 |
| | 560 | 16×20 | 2380 | 0.032 | 0.096 |
| | 680 | 12.5×25 | 2800 | 0.025 | 0.075 |
| | 680 | 12.5×35 | 3040 | 0.024 | 0.072 |
| | 820 | 12.5×30 | 3200 | 0.022 | 0.066 |
| | 820 | 16×20 | 2900 | 0.025 | 0.075 |
| | 820 | 16×25 | 2890 | 0.025 | 0.075 |
| 1000 | 12.5×35 | 3500 | 0.018 | 0.054 | |
| 1000 | 16×25 | 3200 | 0.020 | 0.060 | |
| 1200 | 12.5×40 | 3800 | 0.021 | 0.063 | |
| 1200 | 18×20 | 3000 | 0.032 | 0.096 | |
| 1500 | 16×31.5 | 3500 | 0.020 | 0.060 | |

| 定格電圧 Rated Voltage (Vdc) | 静電容量 Capacitance (μ F) | 外形寸法 Size ϕ DxL (mm) | 定格リップル 電流 Rated Ripple Current | インピーダンス (Ω MAX) Impedance | | |
|--------------------------------|-----------------------------------|---------------------------------|---|---|---------------|-------|
| | | | | 20°C, 100kHz | -10°C, 100kHz | |
| | | | | 63 | 1500 | 18×25 |
| 1800 | 16×35.5 | 3800 | 0.017 | | 0.051 | |
| 1800 | 18×31.5 | 3700 | 0.020 | | 0.060 | |
| 2200 | 16×40 | 4100 | 0.015 | | 0.045 | |
| 2200 | 18×35.5 | 3900 | 0.017 | | 0.051 | |
| 2700 | 18×40 | 4300 | 0.015 | | 0.045 | |
| 80 | 12 | 5×11 | 235 | | 0.72 | 3.2 |
| | 12 | 5×11 | 220 | | 1.20 | 5.4 |
| | 27 | 6.3×11 | 390 | 0.34 | 1.5 | |
| | 27 | 6.3×11 | 370 | 0.46 | 2.1 | |
| | 47 | 8×11.5 | 650 | 0.20 | 0.9 | |
| | 47 | 8×11.5 | 620 | 0.29 | 1.3 | |
| | 56 | 8×16 | 780 | 0.20 | 0.9 | |
| | 68 | 10×12.5 | 780 | 0.17 | 0.66 | |
| | 82 | 8×16 | 820 | 0.14 | 0.63 | |
| | 82 | 8×20 | 1040 | 0.16 | 0.66 | |
| | 100 | 10×12.5 | 860 | 0.14 | 0.56 | |
| | 100 | 10×16 | 1040 | 0.11 | 0.47 | |
| | 120 | 8×20 | 1090 | 0.12 | 0.54 | |
| | 150 | 10×16 | 1150 | 0.09 | 0.36 | |
| | 150 | 10×20 | 1430 | 0.084 | 0.34 | |
| | 150 | 12.5×16 | 1430 | 0.110 | 0.34 | |
| | 180 | 10×25 | 1620 | 0.069 | 0.28 | |
| | 220 | 10×20 | 1570 | 0.068 | 0.28 | |
| | 220 | 12.5×16 | 1430 | 0.090 | 0.27 | |
| | 220 | 12.5×20 | 1750 | 0.062 | 0.18 | |
| | 270 | 10×25 | 1780 | 0.055 | 0.22 | |
| | 270 | 12.5×25 | 2210 | 0.047 | 0.14 | |
| | 330 | 12.5×20 | 1800 | 0.048 | 0.15 | |
| | 330 | 12.5×30 | 2400 | 0.042 | 0.13 | |
| | 330 | 16×20 | 1950 | 0.048 | 0.15 | |
| | 390 | 12.5×25 | 2210 | 0.038 | 0.12 | |
| | 390 | 12.5×35 | 2600 | 0.036 | 0.11 | |
| | 470 | 12.5×30 | 2520 | 0.033 | 0.11 | |
| | 470 | 12.5×40 | 2860 | 0.032 | 0.095 | |
| | 470 | 16×20 | 2150 | 0.036 | 0.120 | |
| | 470 | 16×25 | 2430 | 0.038 | 0.120 | |
| | 470 | 18×20 | 2270 | 0.045 | 0.140 | |
| 560 | 12.5×35 | 2860 | 0.026 | 0.078 | | |
| 560 | 16×31.5 | 2640 | 0.032 | 0.095 | | |
| 680 | 16×25 | 2620 | 0.028 | 0.084 | | |
| 680 | 18×20 | 2280 | 0.032 | 0.096 | | |
| 680 | 16×35.5 | 2860 | 0.029 | 0.086 | | |
| 680 | 18×25 | 2500 | 0.036 | 0.110 | | |
| 820 | 16×31.5 | 2900 | 0.022 | 0.066 | | |
| 820 | 16×40 | 3510 | 0.027 | 0.081 | | |
| 820 | 18×31.5 | 2860 | 0.030 | 0.090 | | |
| 1000 | 16×35.5 | 3150 | 0.020 | 0.060 | | |
| 1000 | 18×25 | 2750 | 0.027 | 0.081 | | |
| 1000 | 18×35.5 | 3510 | 0.027 | 0.081 | | |
| 1200 | 16×40 | 3710 | 0.018 | 0.054 | | |
| 1200 | 18×31.5 | 3150 | 0.020 | 0.060 | | |
| 1200 | 18×40 | 3860 | 0.026 | 0.076 | | |
| 1500 | 18×35.5 | 3710 | 0.018 | 0.054 | | |
| 1800 | 18×40 | 4060 | 0.017 | 0.051 | | |

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◆標準品一覧表/STANDARD SIZE

Rated Ripple Current (mA r.m.s./105°C, 100kHz)

| 定格電圧 Rated Voltage (Vdc) | 静電容量 Capacitance (μ F) | 外形寸法 Size ϕ DxL (mm) | 定格リプル 電流 RatedRipple Current | インピーダンス (Ω MAX) Impedance | |
|--------------------------------|-----------------------------------|---------------------------------|---------------------------------------|---|---------------|
| | | | | 20°C, 100kHz | -10°C, 100kHz |
| | | | | 100 | 8.2 ● |
| | 8.2 | 5×11 | 220 | 1.2 | 5.4 |
| | 18 ● | 6.3×11 | 390 | 0.34 | 1.5 |
| | 18 | 6.3×11 | 370 | 0.46 | 2.1 |
| | 33 ● | 8×11.5 | 650 | 0.2 | 0.9 |
| | 33 | 8×11.5 | 620 | 0.29 | 1.3 |
| | 47 ● | 8×16 | 820 | 0.14 | 0.63 |
| | 47 | 8×16 | 780 | 0.20 | 0.90 |
| | 56 ● | 10×12.5 | 860 | 0.14 | 0.56 |
| | 56 | 10×12.5 | 780 | 0.17 | 0.66 |
| | 68 ● | 8×20 | 1090 | 0.12 | 0.54 |
| | 68 | 8×20 | 1040 | 0.16 | 0.66 |
| | 82 ● | 10×16 | 1150 | 0.09 | 0.36 |
| | 82 | 10×16 | 1040 | 0.11 | 0.47 |
| | 100 | 10×20 | 1430 | 0.084 | 0.34 |
| | 100 | 12.5×16 | 1430 | 0.11 | 0.34 |
| | 120 | 10×20 | 1570 | 0.068 | 0.28 |
| | 120 | 10×25 | 1620 | 0.069 | 0.28 |
| | 120 | 12.5×16 | 1430 | 0.090 | 0.27 |
| | 150 | 10×25 | 1780 | 0.055 | 0.22 |
| | 150 | 12.5×20 | 1750 | 0.062 | 0.18 |
| | 180 | 12.5×20 | 1800 | 0.048 | 0.15 |
| | 220 ● | 12.5×25 | 2210 | 0.038 | 0.12 |
| | 220 | 12.5×25 | 2210 | 0.047 | 0.14 |
| | 270 ● | 12.5×30 | 2520 | 0.033 | 0.11 |
| | 270 | 12.5×30 | 2400 | 0.042 | 0.13 |
| | 270 | 16×20 | 1950 | 0.048 | 0.15 |
| | 330 | 12.5×35 | 2600 | 0.036 | 0.11 |
| | 330 | 16×20 | 2150 | 0.036 | 0.12 |
| | 390 | 12.5×35 | 2860 | 0.026 | 0.078 |
| | 390 | 12.5×40 | 2860 | 0.032 | 0.095 |
| | 390 ● | 16×25 | 2620 | 0.028 | 0.084 |
| | 390 | 16×25 | 2430 | 0.038 | 0.120 |
| | 390 ● | 18×20 | 2280 | 0.032 | 0.096 |
| | 390 | 18×20 | 2270 | 0.045 | 0.140 |
| | 470 | 16×31.5 | 2640 | 0.032 | 0.095 |
| | 470 | 18×25 | 2500 | 0.036 | 0.110 |
| | 560 | 16×31.5 | 2900 | 0.022 | 0.066 |
| | 560 | 16×35.5 | 2860 | 0.029 | 0.086 |
| | 560 | 18×25 | 2750 | 0.027 | 0.081 |
| | 560 | 18×31.5 | 2860 | 0.030 | 0.090 |
| | 680 | 16×35.5 | 3150 | 0.020 | 0.060 |
| | 680 | 16×40 | 3510 | 0.027 | 0.081 |
| | 680 | 18×31.5 | 3150 | 0.020 | 0.060 |
| | 680 | 18×35.5 | 3510 | 0.027 | 0.081 |
| | 820 | 16×40 | 3710 | 0.018 | 0.054 |
| | 820 | 18×35.5 | 3710 | 0.018 | 0.054 |
| | 820 | 18×40 | 3860 | 0.026 | 0.076 |
| | 1000 | 18×40 | 4060 | 0.017 | 0.051 |

| 定格電圧 Rated Voltage (Vdc) | 静電容量 Capacitance (μ F) | 外形寸法 Size ϕ DxL (mm) | 定格リプル 電流 RatedRipple Current | インピーダンス (Ω MAX) Impedance | |
|--------------------------------|-----------------------------------|---------------------------------|---------------------------------------|---|---------------|
| | | | | 20°C, 100kHz | -10°C, 100kHz |
| | | | | 120 | 33 |
| | 47 | 8×20 | 735 | 0.19 | 0.76 |
| | 56 | 10×16 | 780 | 0.17 | 0.72 |
| | 82 | 10×20 | 1040 | 0.12 | 0.52 |
| | 100 | 10×25 | 1250 | 0.10 | 0.43 |
| | 120 | 10×28 | 1400 | 0.09 | 0.38 |
| | 120 | 12.5×20 | 1430 | 0.085 | 0.31 |
| | 150 | 12.5×25 | 1620 | 0.21 | 0.84 |
| | 180 | 12.5×30 | 1880 | 0.18 | 0.72 |
| | 180 | 16×20 | 1700 | 0.17 | 0.65 |
| | 220 | 12.5×35 | 2140 | 0.15 | 0.60 |
| | 270 | 12.5×40 | 2340 | 0.12 | 0.48 |
| | 270 | 16×25 | 2100 | 0.13 | 0.49 |
| | 270 | 18×20 | 1850 | 0.14 | 0.52 |
| | 330 | 16×31.5 | 2400 | 0.10 | 0.38 |
| | 390 | 16×35.5 | 2600 | 0.085 | 0.32 |
| | 390 | 18×25 | 2270 | 0.10 | 0.37 |
| | 470 | 16×40 | 2860 | 0.075 | 0.29 |
| | 470 | 18×31.5 | 2470 | 0.08 | 0.30 |
| | 560 | 18×35.5 | 2860 | 0.07 | 0.26 |
| | 680 | 18×40 | 3510 | 0.06 | 0.22 |

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