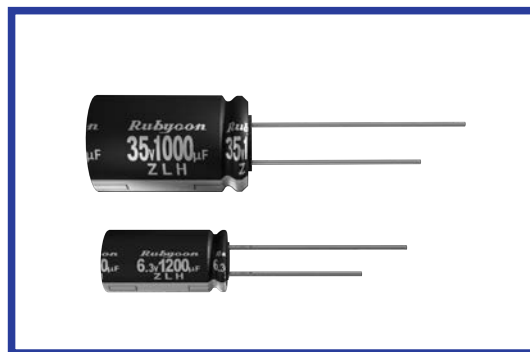


ZLH series

105°C 6000~10000時間品 小形化 長寿命 低インピーダンス品  
105°C 6000~10000 hours, Miniaturized, Long Life, Low Impedance



◆規格表/SPECIFICATIONS

| 項目 Item  | 特性 Characteristics  |                     |                               |  |                     |                      |                              |  |          |               |                         |   |               |                   |      |      |         |       |      |      |      |      |      |                   |   |   |   |   |   |   |   |   |   |
|--|---|---------------------|-------------------------------|--|---------------------|----------------------|------------------------------|--|----------|---------------|-------------------------|---|---------------|-------------------|------|------|---------|-------|------|------|------|------|------|-------------------|---|---|---|---|---|---|---|---|---|
| カテゴリ温度範囲<br>Category Temperature Range                                   | -40~+105°C  |                     |                               |  |                     |                      |                              |  |          |               |                         |   |               |                   |      |      |         |       |      |      |      |      |      |                   |   |   |   |   |   |   |   |   |   |
| 定格電圧範囲<br>Rated Voltage Range  | 6.3~100Vdc  |                     |                               |  |                     |                      |                              |  |          |               |                         |   |               |                   |      |      |         |       |      |      |      |      |      |                   |   |   |   |   |   |   |   |   |   |
| 静電容量許容差<br>Capacitance Tolerance   | ±20%(20°C, 120Hz)   |                     |                               |  |                     |                      |                              |  |          |               |                         |   |               |                   |      |      |         |       |      |      |      |      |      |                   |   |   |   |   |   |   |   |   |   |
| 漏れ電流<br>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)<br>I=0.01CV or 3µA whichever is greater. (After 2 minutes)<br>I=漏れ電流(µA) C=静電容量(µF) V=定格電圧(Vdc)<br>Leakage Current Capacitance Rated Voltage  |                     |                               |  |                     |                      |                              |  |          |               |                         |   |               |                   |      |      |         |       |      |      |      |      |      |                   |   |   |   |   |   |   |   |   |   |
| 損失角の正接(tan δ)<br>Dissipation Factor (MAX)                                | <table border="1"> <tr> <td>定格電圧(Vdc)<br/>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> <td>80</td> <td>100</td> <td rowspan="2">(20°C, 120Hz)</td> </tr> <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> </tr> </table> <p>1000µFを越えるものは1000µF増す毎に上表の値に0.02を加えた値とする。<br/>When capacitance is over 1000µF, tan δ shall be added 0.02 to the listed value with increase of every 1000µF.</p>   |                     | 定格電圧(Vdc)<br>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 |                   |   |   |   |   |   |   |   |   |   |
| 定格電圧(Vdc)<br>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     |               |                         |   |               |                   |      |      |         |       |      |      |      |      |      |                   |   |   |   |   |   |   |   |   |   |
| 耐久性<br>Endurance   | <p>105°C中で右表の時間定格電圧(リップル重畳)印加後、下記項目を満足すること。<br/>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"> <tr> <td>静電容量変化率<br/>Capacitance Change</td> <td>初期値の±25%以内(6.3Vdc, 10Vdc: ±30%)<br/>Within ±25% of the initial value(6.3Vdc, 10Vdc: ±30%)</td> <td>ケースサイズ<br/>Case Size</td> <td>時間(hrs)<br/>Time(hrs)</td> </tr> <tr> <td>損失角の正接<br/>Dissipation Factor</td> <td>規格値の200%以下<br/>Not more than 200% of the specified value.</td> <td>φD ≤ 6.3</td> <td>6000</td> </tr> <tr> <td>漏れ電流<br/>Leakage Current</td> <td>規格値以下<br/>Not more than the specified value.</td> <td>φD = 8</td> <td>8000</td> </tr> <tr> <td></td> <td></td> <td>φD ≥ 10</td> <td>10000</td> </tr> </table> |                     | 静電容量変化率<br>Capacitance Change | 初期値の±25%以内(6.3Vdc, 10Vdc: ±30%)<br>Within ±25% of the initial value(6.3Vdc, 10Vdc: ±30%) | ケースサイズ<br>Case Size | 時間(hrs)<br>Time(hrs) | 損失角の正接<br>Dissipation Factor | 規格値の200%以下<br>Not more than 200% of the specified value. | φD ≤ 6.3 | 6000          | 漏れ電流<br>Leakage Current | 規格値以下<br>Not more than the specified value. | φD = 8        | 8000              |      |      | φD ≥ 10 | 10000 |      |      |      |      |      |                   |   |   |   |   |   |   |   |   |   |
| 静電容量変化率<br>Capacitance Change  | 初期値の±25%以内(6.3Vdc, 10Vdc: ±30%)<br>Within ±25% of the initial value(6.3Vdc, 10Vdc: ±30%)  | ケースサイズ<br>Case Size | 時間(hrs)<br>Time(hrs)          |  |                     |                      |                              |  |          |               |                         |   |               |                   |      |      |         |       |      |      |      |      |      |                   |   |   |   |   |   |   |   |   |   |
| 損失角の正接<br>Dissipation Factor   | 規格値の200%以下<br>Not more than 200% of the specified value.  | φD ≤ 6.3            | 6000                          |  |                     |                      |                              |  |          |               |                         |   |               |                   |      |      |         |       |      |      |      |      |      |                   |   |   |   |   |   |   |   |   |   |
| 漏れ電流<br>Leakage Current  | 規格値以下<br>Not more than the specified value.   | φD = 8              | 8000                          |  |                     |                      |                              |  |          |               |                         |   |               |                   |      |      |         |       |      |      |      |      |      |                   |   |   |   |   |   |   |   |   |   |
|  |   | φD ≥ 10             | 10000                         |  |                     |                      |                              |  |          |               |                         |   |               |                   |      |      |         |       |      |      |      |      |      |                   |   |   |   |   |   |   |   |   |   |
| 低温特性<br>Low Temperature Stability<br>(インピーダンス比)<br>Impedance Ratio (MAX) | <table border="1"> <tr> <td>定格電圧(Vdc)<br/>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> <td>80</td> <td>100</td> <td rowspan="3">(120Hz)</td> </tr> <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> </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> </tr> </table>  |                     | 定格電圧(Vdc)<br>Rated Voltage    | 6.3  | 10                  | 16                   | 25                           | 35   | 50       | 63            | 80                      | 100   | (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 |
| 定格電圧(Vdc)<br>Rated Voltage   | 6.3   | 10                  | 16                            | 25   | 35                  | 50                   | 63                           | 80   | 100      | (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        |               |                         |   |               |                   |      |      |         |       |      |      |      |      |      |                   |   |   |   |   |   |   |   |   |   |

◆呼称方法/PART NUMBER

□□□
ZLH
□□□□□
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/

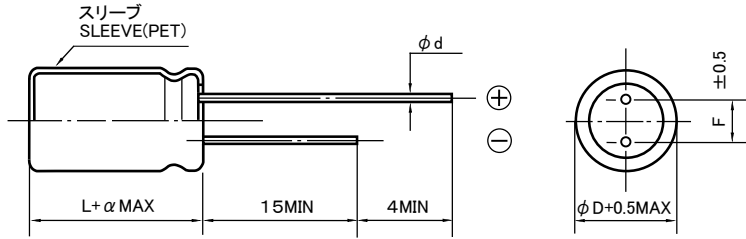
MULTIPLIER FOR RIPPLE CURRENT

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

◆副記号/OPTION

EFC : PETスリーブ PET Sleeve

◆寸法図／DIMENSIONS



(mm)

|          |   |     |     |     |      |     |    |
|----------|---|-----|-----|-----|------|-----|----|
| $\phi D$ | 5   | 6.3 | 8   | 10  | 12.5 | 16  | 18 |
| $\phi d$ | 0.5   |     | 0.6 |     |      | 0.8 |    |
| F        | 2.0   | 2.5 | 3.5 | 5.0 |      | 7.5 |    |
| $\alpha$ | L ≤ 16 : $\alpha = 1.5$ L ≥ 20 : $\alpha = 2.0$ |     |     |     |      |     |    |

◆標準品一覧表／STANDARD SIZE

| 定格電圧<br>Rated Voltage<br>(Vdc) | 静電容量<br>Capacitance<br>( $\mu F$ ) | 外形寸法<br>Size<br>$\phi D \times L$ (mm) | 定格リップル<br>電流<br>Rated Ripple<br>Current | インピーダンス<br>( $\Omega$ MAX)<br>Impedance |               |
|--------------------------------|------------------------------------|--|---|---|---------------|
|                                |                                    |  |   | 20°C, 100kHz                            | -10°C, 100kHz |
|                                |                                    |  |   | 6.3                                     | 220           |
|                                | 470                                | 6.3x11                                 | 540                                     | 0.094                                   | 0.35          |
|                                | 820                                | 8x11.5                                 | 945                                     | 0.056                                   | 0.19          |
|                                | 1200                               | 8x16                                   | 1250                                    | 0.045                                   | 0.15          |
|                                | 1200                               | 10x12.5                                | 1330                                    | 0.039                                   | 0.14          |
|                                | 1500                               | 8x20                                   | 1500                                    | 0.029                                   | 0.11          |
|                                | 1800                               | 10x16                                  | 1760                                    | 0.028                                   | 0.10          |
|                                | 2200                               | 10x20                                  | 1960                                    | 0.020                                   | 0.060         |
|                                | 2700                               | 10x23                                  | 2250                                    | 0.018                                   | 0.054         |
|                                | 3900                               | 12.5x20                                | 2480                                    | 0.017                                   | 0.043         |
|                                | 4700                               | 12.5x25                                | 2900                                    | 0.015                                   | 0.038         |
|                                | 5600                               | 12.5x30                                | 3450                                    | 0.013                                   | 0.033         |
|                                | 6800                               | 16x20                                  | 3250                                    | 0.015                                   | 0.038         |
|                                | 6800                               | 12.5x35                                | 3570                                    | 0.012                                   | 0.031         |
|                                | 8200                               | 16x25                                  | 3630                                    | 0.013                                   | 0.035         |
| 10                             | 150                                | 5x11                                   | 345                                     | 0.22                                    | 0.80          |
|                                | 330                                | 6.3x11                                 | 540                                     | 0.094                                   | 0.35          |
|                                | 680                                | 8x11.5                                 | 945                                     | 0.056                                   | 0.19          |
|                                | 1000                               | 8x16                                   | 1250                                    | 0.045                                   | 0.15          |
|                                | 1000                               | 10x12.5                                | 1330                                    | 0.039                                   | 0.14          |
|                                | 1500                               | 8x20                                   | 1500                                    | 0.029                                   | 0.11          |
|                                | 1500                               | 10x16                                  | 1760                                    | 0.028                                   | 0.10          |
|                                | 1800                               | 10x20                                  | 1960                                    | 0.020                                   | 0.060         |
|                                | 2200                               | 10x23                                  | 2250                                    | 0.018                                   | 0.054         |
|                                | 3300                               | 12.5x20                                | 2480                                    | 0.017                                   | 0.043         |
|                                | 3900                               | 12.5x25                                | 2900                                    | 0.015                                   | 0.038         |
|                                | 4700                               | 12.5x30                                | 3450                                    | 0.013                                   | 0.033         |
|                                | 4700                               | 16x20                                  | 3250                                    | 0.015                                   | 0.038         |
|                                | 5600                               | 12.5x35                                | 3570                                    | 0.012                                   | 0.031         |
|                                | 6800                               | 16x25                                  | 3630                                    | 0.013                                   | 0.035         |
| 16                             | 100                                | 5x11                                   | 345                                     | 0.22                                    | 0.80          |
|                                | 220                                | 6.3x11                                 | 540                                     | 0.094                                   | 0.35          |
|                                | 470                                | 8x11.5                                 | 945                                     | 0.056                                   | 0.19          |
|                                | 680                                | 8x16                                   | 1250                                    | 0.045                                   | 0.15          |
|                                | 680                                | 10x12.5                                | 1330                                    | 0.039                                   | 0.14          |
|                                | 1000                               | 8x20                                   | 1500                                    | 0.029                                   | 0.11          |
|                                | 1000                               | 10x16                                  | 1760                                    | 0.028                                   | 0.10          |
|                                | 1500                               | 10x20                                  | 1960                                    | 0.020                                   | 0.06          |
|                                | 1800                               | 10x23                                  | 2250                                    | 0.018                                   | 0.054         |
|                                | 2200                               | 12.5x20                                | 2480                                    | 0.017                                   | 0.043         |
|                                | 2700                               | 12.5x25                                | 2900                                    | 0.015                                   | 0.038         |
|                                | 3300                               | 12.5x30                                | 3450                                    | 0.013                                   | 0.033         |
|                                | 3300                               | 16x20                                  | 3250                                    | 0.015                                   | 0.038         |
|                                | 3900                               | 12.5x35                                | 3570                                    | 0.012                                   | 0.031         |
|                                | 4700                               | 16x25                                  | 3630                                    | 0.013                                   | 0.035         |

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

| 定格電圧<br>Rated Voltage<br>(Vdc) | 静電容量<br>Capacitance<br>( $\mu F$ ) | 外形寸法<br>Size<br>$\phi D \times L$ (mm) | 定格リップル<br>電流<br>Rated Ripple<br>Current | インピーダンス<br>( $\Omega$ MAX)<br>Impedance |               |
|--------------------------------|------------------------------------|--|---|---|---------------|
|                                |                                    |  |   | 20°C, 100kHz                            | -10°C, 100kHz |
|                                |                                    |  |   | 25                                      | 68            |
|                                | 150                                | 6.3x11                                 | 540                                     | 0.094                                   | 0.35          |
|                                | 330                                | 8x11.5                                 | 945                                     | 0.056                                   | 0.19          |
|                                | 390                                | 8x16                                   | 1250                                    | 0.045                                   | 0.15          |
|                                | 470                                | 10x12.5                                | 1330                                    | 0.039                                   | 0.14          |
|                                | 560                                | 8x20                                   | 1500                                    | 0.029                                   | 0.11          |
|                                | 680                                | 10x16                                  | 1760                                    | 0.028                                   | 0.10          |
|                                | 820                                | 10x20                                  | 1960                                    | 0.020                                   | 0.060         |
|                                | 1000                               | 10x23                                  | 2250                                    | 0.018                                   | 0.054         |
|                                | 1500                               | 12.5x20                                | 2480                                    | 0.017                                   | 0.043         |
|                                | 1800                               | 12.5x25                                | 2900                                    | 0.015                                   | 0.038         |
|                                | 2200                               | 12.5x30                                | 3450                                    | 0.013                                   | 0.033         |
|                                | 2200                               | 16x20                                  | 3250                                    | 0.015                                   | 0.038         |
|                                | 2700                               | 12.5x35                                | 3570                                    | 0.012                                   | 0.031         |
|                                | 3300                               | 16x25                                  | 3630                                    | 0.013                                   | 0.035         |
| 35                             | 47                                 | 5x11                                   | 345                                     | 0.220                                   | 0.80          |
|                                | 100                                | 6.3x11                                 | 540                                     | 0.094                                   | 0.35          |
|                                | 220                                | 8x11.5                                 | 945                                     | 0.056                                   | 0.19          |
|                                | 270                                | 8x16                                   | 1250                                    | 0.045                                   | 0.15          |
|                                | 330                                | 10x12.5                                | 1330                                    | 0.039                                   | 0.14          |
|                                | 390                                | 8x20                                   | 1500                                    | 0.029                                   | 0.11          |
|                                | 470                                | 10x16                                  | 1760                                    | 0.028                                   | 0.10          |
|                                | 560                                | 10x20                                  | 1960                                    | 0.020                                   | 0.060         |
|                                | 680                                | 10x23                                  | 2250                                    | 0.018                                   | 0.054         |
|                                | 1000                               | 12.5x20                                | 2480                                    | 0.017                                   | 0.043         |
|                                | 1200                               | 12.5x25                                | 2900                                    | 0.015                                   | 0.038         |
|                                | 1500                               | 12.5x30                                | 3450                                    | 0.013                                   | 0.033         |
|                                | 1500                               | 16x20                                  | 3250                                    | 0.015                                   | 0.038         |
|                                | 1800                               | 12.5x35                                | 3570                                    | 0.012                                   | 0.031         |
|                                | 2200                               | 16x25                                  | 3630                                    | 0.013                                   | 0.035         |
| 50                             | 27                                 | 5x11                                   | 238                                     | 0.34                                    | 1.18          |
|                                | 56                                 | 6.3x11                                 | 385                                     | 0.14                                    | 0.50          |
|                                | 100                                | 8x11.5                                 | 724                                     | 0.074                                   | 0.22          |
|                                | 120                                | 8x16                                   | 950                                     | 0.061                                   | 0.18          |
|                                | 150                                | 10x12.5                                | 979                                     | 0.061                                   | 0.18          |
|                                | 180                                | 8x20                                   | 1190                                    | 0.046                                   | 0.14          |
|                                | 220                                | 10x16                                  | 1370                                    | 0.042                                   | 0.12          |
|                                | 270                                | 10x20                                  | 1580                                    | 0.030                                   | 0.09          |
|                                | 330                                | 10x23                                  | 1870                                    | 0.028                                   | 0.085         |
|                                | 470                                | 12.5x20                                | 2050                                    | 0.027                                   | 0.068         |
|                                | 560                                | 12.5x25                                | 2410                                    | 0.023                                   | 0.059         |
|                                | 680                                | 12.5x30                                | 2860                                    | 0.021                                   | 0.052         |
|                                | 820                                | 12.5x35                                | 2960                                    | 0.019                                   | 0.051         |
|                                | 820                                | 16x20                                  | 2730                                    | 0.023                                   | 0.059         |
|                                | 1000                               | 16x25                                  | 3010                                    | 0.021                                   | 0.056         |

### ◆標準品一覧表／STANDARD SIZE



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

| 定格電圧<br>Rated Voltage<br>(Vdc) | 静電容量<br>Capacitance<br>( $\mu$ F) | 外形寸法<br>Size<br>$\phi$ D×L (mm) | 定格リップル<br>電流<br>RatedRipple<br>Current | インピーダンス<br>( $\Omega$ MAX)<br>Impedance |               |
|--------------------------------|-----------------------------------|---------------------------------|--|---|---------------|
|                                |                                   |                                 |  | 20°C, 100kHz                            | -10°C, 100kHz |
|                                |                                   |                                 |  | 63                                      | 18            |
| 47                             | 6.3×11                            | 278                             | 0.35                                   |   | 1.4           |
| 82                             | 8×11.5                            | 525                             | 0.22                                   |   | 0.88          |
| 100                            | 8×16                              | 688                             | 0.16                                   |   | 0.64          |
| 120                            | 10×12.5                           | 725                             | 0.15                                   |   | 0.6           |
| 150                            | 8×20                              | 861                             | 0.12                                   |   | 0.48          |
| 180                            | 10×16                             | 998                             | 0.11                                   |   | 0.44          |
| 270                            | 10×20                             | 1200                            | 0.078                                  |   | 0.31          |
| 270                            | 12.5×16                           | 1200                            | 0.082                                  |   | 0.27          |
| 330                            | 10×23                             | 1410                            | 0.069                                  |   | 0.28          |
| 390                            | 12.5×20                           | 1570                            | 0.060                                  |   | 0.19          |
| 470                            | 12.5×25                           | 1990                            | 0.043                                  |   | 0.14          |
| 560                            | 12.5×30                           | 2410                            | 0.035                                  |   | 0.13          |
| 560                            | 16×20                             | 2100                            | 0.043                                  |   | 0.14          |
| 680                            | 12.5×35                           | 2620                            | 0.033                                  |   | 0.11          |
| 820                            | 12.5×40                           | 2940                            | 0.027                                  |   | 0.09          |
| 820                            | 16×25                             | 2730                            | 0.032                                  |   | 0.096         |
| 820                            | 18×20                             | 2500                            | 0.038                                  |   | 0.100         |
| 1200                           | 16×31.5                           | 2990                            | 0.024                                  |   | 0.068         |
| 1200                           | 18×25                             | 2800                            | 0.031                                  |   | 0.084         |
| 1500                           | 16×35.5                           | 3040                            | 0.021                                  |   | 0.057         |
| 1500                           | 18×31.5                           | 3300                            | 0.025                                  |   | 0.068         |
| 1800                           | 16×40                             | 3570                            | 0.019                                  |   | 0.057         |
| 1800                           | 18×35.5                           | 3570                            | 0.020                                  |   | 0.054         |
| 2200                           | 18×40                             | 3670                            | 0.018                                  | 0.049                                   |               |
| 80                             | 12                                | 5×11                            | 163                                    | 1.4                                     | 5.6           |
|                                | 33                                | 6.3×11                          | 267                                    | 0.57                                    | 2.3           |
|                                | 56                                | 8×11.5                          | 462                                    | 0.36                                    | 1.4           |
|                                | 68                                | 8×16                            | 585                                    | 0.25                                    | 1.0           |
|                                | 82                                | 10×12.5                         | 624                                    | 0.23                                    | 0.96          |
|                                | 100                               | 8×20                            | 735                                    | 0.19                                    | 0.76          |
|                                | 120                               | 10×16                           | 780                                    | 0.17                                    | 0.72          |
|                                | 180                               | 10×20                           | 1040                                   | 0.12                                    | 0.52          |
|                                | 180                               | 12.5×16                         | 975                                    | 0.13                                    | 0.43          |
|                                | 220                               | 10×23                           | 1170                                   | 0.11                                    | 0.47          |
|                                | 270                               | 12.5×20                         | 1430                                   | 0.085                                   | 0.31          |
|                                | 330                               | 12.5×25                         | 1620                                   | 0.060                                   | 0.23          |
|                                | 390                               | 12.5×30                         | 1950                                   | 0.051                                   | 0.21          |
|                                | 390                               | 16×20                           | 1750                                   | 0.058                                   | 0.21          |
|                                | 470                               | 12.5×35                         | 2140                                   | 0.043                                   | 0.17          |
|                                | 560                               | 12.5×40                         | 2340                                   | 0.036                                   | 0.15          |
|                                | 560                               | 16×25                           | 2210                                   | 0.044                                   | 0.16          |
|                                | 560                               | 18×20                           | 1950                                   | 0.054                                   | 0.18          |
|                                | 680                               | 16×31.5                         | 2400                                   | 0.033                                   | 0.12          |
|                                | 820                               | 16×35.5                         | 2600                                   | 0.029                                   | 0.10          |
|                                | 820                               | 18×25                           | 2270                                   | 0.038                                   | 0.13          |
|                                | 1000                              | 16×40                           | 2860                                   | 0.027                                   | 0.09          |
|                                | 1000                              | 18×31.5                         | 2470                                   | 0.031                                   | 0.11          |
|                                | 1200                              | 18×35.5                         | 2860                                   | 0.027                                   | 0.084         |
| 1500                           | 18×40                             | 3510                            | 0.026                                  | 0.076                                   |               |

| 定格電圧<br>Rated Voltage<br>(Vdc) | 静電容量<br>Capacitance<br>( $\mu$ F) | 外形寸法<br>Size<br>$\phi$ D×L (mm) | 定格リップル<br>電流<br>RatedRipple<br>Current | インピーダンス<br>( $\Omega$ MAX)<br>Impedance |               |
|--------------------------------|-----------------------------------|---------------------------------|--|---|---------------|
|                                |                                   |                                 |  | 20°C, 100kHz                            | -10°C, 100kHz |
|                                |                                   |                                 |  | 100                                     | 8.2           |
| 18                             | 6.3×11                            | 267                             | 0.57                                   |   | 2.3           |
| 33                             | 8×11.5                            | 462                             | 0.36                                   |   | 1.4           |
| 47                             | 8×16                              | 585                             | 0.25                                   |   | 1.0           |
| 56                             | 10×12.5                           | 624                             | 0.23                                   |   | 0.96          |
| 68                             | 8×20                              | 735                             | 0.19                                   |   | 0.76          |
| 82                             | 10×16                             | 780                             | 0.17                                   |   | 0.72          |
| 100                            | 10×20                             | 1040                            | 0.12                                   |   | 0.52          |
| 100                            | 12.5×16                           | 975                             | 0.13                                   |   | 0.43          |
| 120                            | 10×23                             | 1170                            | 0.11                                   |   | 0.47          |
| 150                            | 12.5×20                           | 1430                            | 0.085                                  |   | 0.31          |
| 220                            | 12.5×25                           | 1620                            | 0.060                                  |   | 0.23          |
| 270                            | 12.5×30                           | 1950                            | 0.051                                  |   | 0.21          |
| 270                            | 16×20                             | 1750                            | 0.058                                  |   | 0.21          |
| 330                            | 12.5×35                           | 2140                            | 0.043                                  |   | 0.17          |
| 390                            | 12.5×40                           | 2340                            | 0.036                                  |   | 0.15          |
| 390                            | 16×25                             | 2210                            | 0.044                                  |   | 0.16          |
| 390                            | 18×20                             | 1950                            | 0.054                                  |   | 0.18          |
| 470                            | 16×31.5                           | 2400                            | 0.033                                  |   | 0.12          |
| 470                            | 18×25                             | 2270                            | 0.038                                  |   | 0.13          |
| 560                            | 16×35.5                           | 2600                            | 0.029                                  |   | 0.10          |
| 560                            | 18×31.5                           | 2470                            | 0.031                                  |   | 0.11          |
| 680                            | 16×40                             | 2860                            | 0.027                                  |   | 0.09          |
| 680                            | 18×35.5                           | 2860                            | 0.027                                  |   | 0.084         |
| 820                            | 18×40                             | 3510                            | 0.026                                  | 0.076                                   |               |

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