

USC シリーズ  
SERIES

85°C 標準品  
85°C Standard

・85°C 3000時間品。  
Load Life : 85°C 3000 hours.

RoHS  
compliance



## ◆規格表／SPECIFICATIONS

| 項 目<br>Items                                                               | 特 性<br>Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |                                     |                                                 |                                   |                                                          |                            |                                             |         |         |                |         |         |      |      |      |      |      |      |      |      |      |      |      |
|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------|-------------------------------------------------|-----------------------------------|----------------------------------------------------------|----------------------------|---------------------------------------------|---------|---------|----------------|---------|---------|------|------|------|------|------|------|------|------|------|------|------|
| カ テ ゴ リ 温 度 範 囲<br>Category Temperature Range                              | −40〜+85℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | −25〜+85℃   |                                     |                                                 |                                   |                                                          |                            |                                             |         |         |                |         |         |      |      |      |      |      |      |      |      |      |      |      |
| 定 格 電 圧 範 囲<br>Rated Voltage Range                                         | 10〜250Vdc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 315〜450Vdc |                                     |                                                 |                                   |                                                          |                            |                                             |         |         |                |         |         |      |      |      |      |      |      |      |      |      |      |      |
| 静 電 容 量 許 容 差<br>Capacitance Tolerance                                     | ±20% (20℃, 120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |                                     |                                                 |                                   |                                                          |                            |                                             |         |         |                |         |         |      |      |      |      |      |      |      |      |      |      |      |
| 漏 れ 電 流<br>Leakage Current(MAX)                                            | I=3√CV (定格電圧印加5分後)<br>I=3√CV (After 5 minutes application of rated voltage)<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 (tanδ)<br>Dissipation Factor(MAX)                              | <table><tr><td>定格電圧(Vdc)<br/>Rated Voltage</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>160~400</td><td>420~450</td></tr><tr><td>tanδ</td><td>0.55</td><td>0.50</td><td>0.45</td><td>0.40</td><td>0.35</td><td>0.30</td><td>0.25</td><td>0.20</td><td>0.15</td><td>0.25</td></tr></table> (20℃, 120Hz)                                                                                                                                                                            |            | 定格電圧(Vdc)<br>Rated Voltage          | 10                                              | 16                                | 25                                                       | 35                         | 50                                          | 63      | 80      | 100            | 160~400 | 420~450 | tanδ | 0.55 | 0.50 | 0.45 | 0.40 | 0.35 | 0.30 | 0.25 | 0.20 | 0.15 | 0.25 |
| 定格電圧(Vdc)<br>Rated Voltage                                                 | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16         | 25                                  | 35                                              | 50                                | 63                                                       | 80                         | 100                                         | 160~400 | 420~450 |                |         |         |      |      |      |      |      |      |      |      |      |      |      |
| tanδ                                                                       | 0.55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.50       | 0.45                                | 0.40                                            | 0.35                              | 0.30                                                     | 0.25                       | 0.20                                        | 0.15    | 0.25    |                |         |         |      |      |      |      |      |      |      |      |      |      |      |
| 耐 久 性<br>Endurance                                                         | 85℃中で3000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 3000 hours at 85℃, the capacitors shall meet the following requirements. <table><tr><td>静 電 容 量 変 化 率<br/>Capacitance Change</td><td>初期値の±20%以内<br/>Within ±20% of the initial value.</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></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></tr></table> |            | 静 電 容 量 変 化 率<br>Capacitance Change | 初期値の±20%以内<br>Within ±20% of the initial value. | 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. | 漏 れ 電 流<br>Leakage Current | 規格値以下<br>Not more than the specified value. |         |         |                |         |         |      |      |      |      |      |      |      |      |      |      |      |
| 静 電 容 量 変 化 率<br>Capacitance Change                                        | 初期値の±20%以内<br>Within ±20% of the initial value.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                                     |                                                 |                                   |                                                          |                            |                                             |         |         |                |         |         |      |      |      |      |      |      |      |      |      |      |      |
| 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |                                     |                                                 |                                   |                                                          |                            |                                             |         |         |                |         |         |      |      |      |      |      |      |      |      |      |      |      |
| 漏 れ 電 流<br>Leakage Current                                                 | 規格値以下<br>Not more than the specified value.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                                     |                                                 |                                   |                                                          |                            |                                             |         |         |                |         |         |      |      |      |      |      |      |      |      |      |      |      |
| 低 温 特 性<br>Low Temperature Stability<br>(インピーダンス比)<br>Impedance Ratio(MAX) | <table><tr><td>定格電圧(Vdc)<br/>Rated Voltage</td><td>10〜250</td><td>315〜400</td><td>420〜450</td></tr><tr><td>Z(−25℃)/Z(20℃)</td><td>3</td><td>8</td><td>12</td></tr><tr><td>Z(−40℃)/Z(20℃)</td><td>12</td><td>—</td><td>—</td></tr></table> (120Hz)                                                                                                                                                                                                                                                                                     |            | 定格電圧(Vdc)<br>Rated Voltage          | 10〜250                                          | 315〜400                           | 420〜450                                                  | Z(−25℃)/Z(20℃)             | 3                                           | 8       | 12      | Z(−40℃)/Z(20℃) | 12      | —       | —    |      |      |      |      |      |      |      |      |      |      |
| 定格電圧(Vdc)<br>Rated Voltage                                                 | 10〜250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 315〜400    | 420〜450                             |                                                 |                                   |                                                          |                            |                                             |         |         |                |         |         |      |      |      |      |      |      |      |      |      |      |      |
| Z(−25℃)/Z(20℃)                                                             | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8          | 12                                  |                                                 |                                   |                                                          |                            |                                             |         |         |                |         |         |      |      |      |      |      |      |      |      |      |      |      |
| Z(−40℃)/Z(20℃)                                                             | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | —          | —                                   |                                                 |                                   |                                                          |                            |                                             |         |         |                |         |         |      |      |      |      |      |      |      |      |      |      |      |

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

| 周波数(Hz)<br>Frequency | 60(50) | 120(100) | 300  | 500  | 1k   | 10k≤ |
|----------------------|--------|----------|------|------|------|------|
| 10~100Vdc            | 0.90   | 1.00     | 1.03 | 1.05 | 1.10 | 1.15 |
| 160~250Vdc           | 0.80   | 1.00     | 1.15 | 1.20 | 1.30 | 1.50 |
| 315~450Vdc           | 0.80   | 1.00     | 1.15 | 1.20 | 1.25 | 1.40 |

## ◆副記号／OPTION

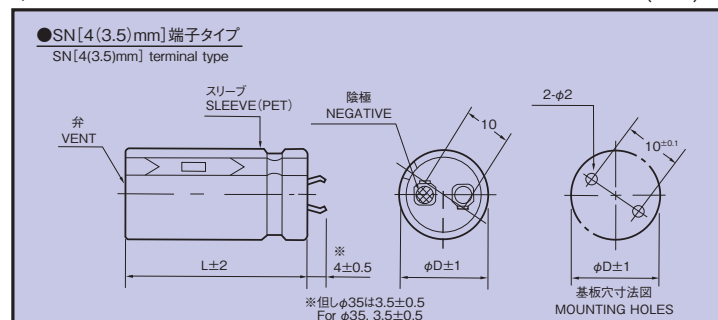
| 記号 Code                                         |
|-------------------------------------------------|
| PETスリーブ、底板なし    PET Sleeve without plate    EFC |

## ◆呼称方法／PART NUMBER

|                       |                 |                     |                                  |               |                       |                     |
|-----------------------|-----------------|---------------------|----------------------------------|---------------|-----------------------|---------------------|
| □□□                   | USC             | □□□□□               | M                                | □□□           | SN                    | DXL                 |
| 定格電圧<br>Rated Voltage | シリーズ名<br>Series | 静電容量<br>Capacitance | 静電容量許容差<br>Capacitance Tolerance | 副記号<br>Option | 端子記号<br>Terminal Code | ケースサイズ<br>Case Size |

## ◆寸法図／DIMENSIONS

(mm)



#### ◆標準品一覧表 STANDARD SIZE

| Cap<br>( $\mu$ F) | Vdc<br>$\phi$ D | 10        |           |           |           |           | 16        |           |           |           |           |
|-------------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                   |                 | $\phi$ 20 | $\phi$ 22 | $\phi$ 25 | $\phi$ 30 | $\phi$ 35 | $\phi$ 20 | $\phi$ 22 | $\phi$ 25 | $\phi$ 30 | $\phi$ 35 |
| 8200              |                 |           |           |           |           |           | 20×25     | 2.56      |           |           |           |
| 10000             |                 | 20×25     | 2.22      |           |           |           | 20×30     | 2.85      | 22×25     | 2.85      |           |
| 12000             |                 | 20×30     | 2.44      | 22×25     | 2.41      |           | 20×35     | 3.20      | 22×30     | 3.20      |           |
| 15000             |                 | 20×35     | 2.90      | 22×30     | 2.88      | 25×25     | 2.88      |           |           |           |           |
| 18000             |                 | 20×40     | 3.31      | 22×35     | 3.22      | 25×30     | 3.08      |           |           |           |           |
| 22000             |                 |           |           | 22×40     | 3.79      | 25×30     | 3.66      | 30×25     | 3.58      |           |           |
| 27000             |                 |           |           | 22×45     | 4.04      | 25×35     | 4.04      | 30×30     | 3.99      |           |           |
| 33000             |                 |           |           | 22×50     | 4.58      | 25×40     | 4.56      | 30×30     | 4.58      |           |           |
| 39000             |                 |           |           | 25×45     | 5.29      | 30×35     | 5.21      | 35×30     | 5.05      |           |           |
| 47000             |                 |           |           | 25×50     | 5.78      | 30×40     | 5.78      | 35×35     | 5.55      |           |           |
| 56000             |                 |           |           |           |           | 30×45     | 6.59      | 35×35     | 6.40      |           |           |
| 68000             |                 |           |           |           |           | 30×50     | 7.50      | 35×40     | 7.48      |           |           |
| 82000             |                 |           |           |           |           | 35×50     | 8.50      |           |           |           |           |

| Cap<br>( $\mu$ F) | Vdc<br>$\phi$ D | 25        |           |           |           |           | 35        |           |           |           |           |       |       |       |      |
|-------------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-------|-------|------|
|                   |                 | $\phi$ 20 | $\phi$ 22 | $\phi$ 25 | $\phi$ 30 | $\phi$ 35 | $\phi$ 20 | $\phi$ 22 | $\phi$ 25 | $\phi$ 30 | $\phi$ 35 |       |       |       |      |
| 3300              |                 |           |           |           |           |           | 20×25     | 2.14      |           |           |           |       |       |       |      |
| 3900              |                 |           |           |           |           |           | 20×30     | 2.28      |           |           |           |       |       |       |      |
| 4700              |                 |           |           |           |           |           | 20×35     | 2.46      | 22×25     | 2.46      |           |       |       |       |      |
| 5600              |                 | 20×25     | 2.33      |           |           |           | 20×40     | 2.79      | 22×30     | 2.79      | 25×25     | 2.79  |       |       |      |
| 6800              |                 | 20×30     | 2.56      | 22×25     | 2.56      |           |           | 22×35     | 2.89      | 25×30     | 2.89      |       |       |       |      |
| 8200              |                 | 20×35     | 2.91      | 22×30     | 2.91      |           |           | 22×40     | 3.47      | 25×30     | 3.47      | 30×25 | 3.47  |       |      |
| 10000             |                 | 20×40     | 3.18      | 22×35     | 3.18      | 25×25     | 3.18      |           | 22×45     | 3.59      | 25×35     | 3.59  | 30×30 | 3.59  |      |
| 12000             |                 |           | 22×40     | 3.53      | 25×30     | 3.53      |           | 22×50     | 4.51      | 25×40     | 4.51      | 30×30 | 4.51  |       |      |
| 15000             |                 |           | 22×45     | 4.08      | 25×35     | 4.08      | 30×25     | 4.08      |           | 25×45     | 4.80      | 30×35 | 4.80  | 35×30 | 4.80 |
| 18000             |                 |           | 22×50     | 4.68      | 25×40     | 4.68      | 30×30     | 4.68      |           |           |           | 30×40 | 5.70  | 35×35 | 5.70 |
| 22000             |                 |           |           | 25×45     | 5.19      | 30×35     | 5.19      | 35×30     | 5.19      |           |           | 30×45 | 6.38  | 35×40 | 6.38 |
| 27000             |                 |           |           | 25×50     | 6.02      | 30×40     | 6.02      | 35×35     | 6.02      |           |           |       |       | 35×45 | 6.90 |
| 33000             |                 |           |           |           |           | 30×45     | 6.75      | 35×40     | 6.75      |           |           |       |       | 35×50 | 7.49 |
| 39000             |                 |           |           |           |           | 30×50     | 7.56      | 35×45     | 7.56      |           |           |       |       |       |      |
| 47000             |                 |           |           |           |           |           | 35×50     | 8.30      |           |           |           |       |       |       |      |

| Cap<br>( $\mu$ F) | Vdc<br>$\phi$ D | 50        |           |           |           |           | 63        |           |           |           |           |       |       |      |
|-------------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-------|------|
|                   |                 | $\phi$ 20 | $\phi$ 22 | $\phi$ 25 | $\phi$ 30 | $\phi$ 35 | $\phi$ 20 | $\phi$ 22 | $\phi$ 25 | $\phi$ 30 | $\phi$ 35 |       |       |      |
| 1500              |                 |           |           |           |           |           | 20×25     | 1.69      |           |           |           |       |       |      |
| 1800              |                 |           |           |           |           |           | 20×30     | 2.04      | 22×25     | 2.04      |           |       |       |      |
| 2200              |                 | 20×25     | 2.07      |           |           |           | 20×35     | 2.40      | 22×30     | 2.40      |           |       |       |      |
| 2700              |                 | 20×30     | 2.21      | 22×25     | 2.21      |           | 20×40     | 2.52      | 22×35     | 2.52      | 25×25     | 2.52  |       |      |
| 3300              |                 | 20×35     | 2.41      | 22×30     | 2.41      |           |           |           | 22×40     | 2.69      | 25×30     | 2.69  |       |      |
| 3900              |                 | 20×40     | 2.72      | 22×30     | 2.72      | 25×25     | 2.72      |           | 22×45     | 3.10      | 25×35     | 3.10  |       |      |
| 4700              |                 |           | 22×35     | 3.01      | 25×30     | 3.01      |           |           | 22×50     | 3.49      | 25×40     | 3.49  |       |      |
| 5600              |                 |           | 22×40     | 3.43      | 25×35     | 3.43      | 30×25     | 3.43      |           | 25×45     | 3.81      | 30×30 | 3.49  |      |
| 6800              |                 |           | 22×45     | 3.94      | 25×35     | 3.94      | 30×30     | 3.94      |           | 25×50     | 4.41      | 30×40 | 4.41  |      |
| 8200              |                 |           |           | 25×40     | 4.37      | 30×35     | 4.37      |           |           |           | 30×45     | 4.90  | 35×35 | 4.90 |
| 10000             |                 |           |           | 25×50     | 5.02      | 30×40     | 5.02      | 35×30     | 5.02      |           | 30×50     | 5.49  | 35×40 | 5.49 |
| 12000             |                 |           |           |           |           | 30×45     | 5.60      | 35×35     | 5.60      |           |           |       | 35×45 | 6.30 |
| 15000             |                 |           |           |           |           | 30×50     | 6.44      | 35×40     | 6.44      |           |           |       |       |      |
| 18000             |                 |           |           |           |           |           | 35×45     | 6.71      |           |           |           |       |       |      |

| Cap<br>( $\mu$ F) | Vdc<br>$\phi$ D | 80        |           |           |           |           | 100       |           |           |           |           |       |       |       |      |       |      |
|-------------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-------|-------|------|-------|------|
|                   |                 | $\phi$ 20 | $\phi$ 22 | $\phi$ 25 | $\phi$ 30 | $\phi$ 35 | $\phi$ 20 | $\phi$ 22 | $\phi$ 25 | $\phi$ 30 | $\phi$ 35 |       |       |       |      |       |      |
| 680               |                 |           |           |           |           |           | 20×25     | 1.66      |           |           |           |       |       |       |      |       |      |
| 820               |                 |           |           |           |           |           | 20×30     | 1.86      | 22×25     | 1.86      |           |       |       |       |      |       |      |
| 1000              |                 | 20×25     | 1.56      |           |           |           | 20×30     | 2.02      | 22×30     | 2.02      |           |       |       |       |      |       |      |
| 1200              |                 | 20×30     | 1.80      | 22×25     | 1.80      |           |           | 20×35     | 2.12      | 22×30     | 2.12      | 25×25 | 2.12  |       |      |       |      |
| 1500              |                 | 20×30     | 2.10      | 22×30     | 2.10      |           |           | 20×40     | 2.45      | 22×35     | 2.45      | 25×30 | 2.45  |       |      |       |      |
| 1800              |                 | 20×35     | 2.30      | 22×30     | 2.30      | 25×25     | 2.30      |           |           | 22×40     | 2.77      | 25×30 | 2.77  | 30×25 | 2.77 |       |      |
| 2200              |                 | 20×40     | 2.53      | 22×35     | 2.53      | 25×30     | 2.53      |           |           | 22×45     | 3.12      | 25×35 | 3.12  | 30×30 | 3.12 |       |      |
| 2700              |                 |           | 22×40     | 2.93      | 25×35     | 2.93      | 30×25     | 2.93      |           |           | 25×40     | 3.61  | 30×30 | 3.61  |      |       |      |
| 3300              |                 |           | 22×45     | 3.25      | 25×35     | 3.25      | 30×30     | 3.25      |           |           |           | 25×50 | 4.06  | 30×35 | 4.06 | 35×30 | 4.06 |
| 3900              |                 |           |           | 25×40     | 3.62      | 30×35     | 3.62      |           |           |           |           |       |       | 30×40 | 4.60 | 35×35 | 4.60 |
| 4700              |                 |           |           | 25×45     | 4.28      | 30×40     | 4.28      | 35×30     | 4.28      |           |           |       |       | 30×45 | 5.13 | 35×40 | 5.13 |
| 5600              |                 |           |           |           |           | 30×45     | 4.55      | 35×35     | 4.55      |           |           |       |       |       |      | 35×45 | 5.75 |
| 6800              |                 |           |           |           |           | 30×45     | 5.83      | 35×40     | 5.83      |           |           |       |       |       |      | 35×50 | 6.01 |
| 8200              |                 |           |           |           |           |           |           | 35×45     | 6.40      |           |           |       |       |       |      |       |      |
| 10000             |                 |           |           |           |           |           |           | 35×50     | 7.03      |           |           |       |       |       |      |       |      |

↑ リプル電流 Ripple Current (A r.m.s./120Hz, 85°C)  
↑ ケースサイズ Case Size  $\phi$ D×L(mm)

### ◆標準品一覧表 STANDARD SIZE

| Cap<br>(μF) | Vdc<br>φD | 160         |             |             |             |             | 180         |             |             |             |             |
|-------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |           | φ20         | φ22         | φ25         | φ30         | φ35         | φ20         | φ22         | φ25         | φ30         | φ35         |
| 270         |           | 20×25: 1.28 |             |             |             |             | 20×25: 1.29 |             |             |             |             |
| 330         |           | 20×25: 1.55 |             |             |             |             | 20×30: 1.77 | 22×25: 1.49 |             |             |             |
| 390         |           | 20×30: 1.63 | 22×25: 1.63 |             |             |             | 20×30: 1.84 | 22×25: 1.84 |             |             |             |
| 470         |           | 20×30: 1.90 | 22×30: 1.86 | 25×25: 1.86 |             |             | 20×35: 1.91 | 22×30: 1.91 | 25×25: 2.08 |             |             |
| 560         |           | 20×35: 2.14 | 22×30: 2.15 | 25×25: 2.15 |             |             | 20×40: 2.15 | 22×35: 2.25 | 25×25: 2.25 |             |             |
| 680         |           | 20×40: 2.35 | 22×35: 2.35 | 25×30: 2.33 | 30×25: 2.33 |             |             | 22×35: 2.48 | 25×30: 2.50 | 30×25: 2.46 |             |
| 820         |           |             | 22×40: 2.68 | 25×30: 2.65 | 30×25: 2.64 |             |             | 22×40: 2.86 | 25×35: 2.75 | 30×25: 2.69 |             |
| 1000        |           |             | 22×45: 3.02 | 25×35: 3.00 | 30×30: 2.96 |             |             | 22×50: 3.10 | 25×40: 3.06 | 30×30: 3.10 |             |
| 1200        |           |             |             | 25×40: 3.43 | 30×30: 3.41 | 35×30: 3.40 |             |             | 25×45: 3.63 | 30×35: 3.55 | 35×30: 3.49 |
| 1500        |           |             |             | 25×50: 3.96 | 30×35: 3.96 | 35×30: 3.94 |             |             |             | 30×40: 4.10 | 35×35: 4.02 |
| 1800        |           |             |             |             | 30×40: 4.31 | 35×35: 4.28 |             |             |             | 30×45: 4.55 | 35×35: 4.54 |
| 2200        |           |             |             |             | 30×50: 4.96 | 35×40: 4.96 |             |             |             |             | 35×40: 4.83 |
| 2700        |           |             |             |             |             | 35×45: 5.57 |             |             |             |             | 35×50: 5.30 |

| Cap<br>(μF) | Vdc<br>φD | 200         |             |             |             |             | 220         |             |             |             |             |
|-------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |           | φ20         | φ22         | φ25         | φ30         | φ35         | φ20         | φ22         | φ25         | φ30         | φ35         |
| 220         |           | 20×25: 1.19 |             |             |             |             | 20×25: 1.23 |             |             |             |             |
| 270         |           | 20×25: 1.39 | 22×25: 1.37 |             |             |             | 20×30: 1.46 | 22×25: 1.42 |             |             |             |
| 330         |           | 20×30: 1.56 | 22×25: 1.51 |             |             |             | 20×35: 1.64 | 22×30: 1.59 |             |             |             |
| 390         |           | 20×35: 1.74 | 22×30: 1.73 | 25×25: 1.71 |             |             | 20×35: 1.79 | 22×30: 1.80 | 25×25: 1.75 |             |             |
| 470         |           | 20×35: 2.03 | 22×30: 1.97 | 25×25: 1.95 |             |             | 20×40: 2.12 | 22×35: 2.06 | 25×30: 2.08 |             |             |
| 560         |           | 20×40: 2.18 | 22×35: 2.18 | 25×30: 2.15 | 30×25: 2.15 |             |             | 22×40: 2.22 | 25×35: 2.38 | 30×25: 2.18 |             |
| 680         |           |             | 22×40: 2.48 | 25×30: 2.48 | 30×25: 2.48 |             |             | 22×45: 2.62 | 25×35: 2.56 | 30×30: 2.52 |             |
| 820         |           |             | 22×45: 2.81 | 25×35: 2.79 | 30×30: 2.75 |             |             |             | 25×45: 2.91 | 30×35: 2.84 | 35×30: 2.79 |
| 1000        |           |             | 22×50: 3.28 | 25×40: 3.28 | 30×35: 3.15 |             |             |             |             | 30×35: 3.36 | 35×30: 3.29 |
| 1200        |           |             |             | 25×45: 3.61 | 30×35: 3.61 | 35×30: 3.57 |             |             |             | 30×40: 3.72 | 35×35: 3.68 |
| 1500        |           |             |             |             | 30×45: 4.13 | 35×35: 4.06 |             |             |             | 30×50: 4.18 | 35×40: 4.10 |
| 1800        |           |             |             |             | 30×50: 4.60 | 35×40: 4.59 |             |             |             |             | 35×45: 4.52 |
| 2200        |           |             |             |             |             | 35×45: 5.25 |             |             |             |             |             |

| Cap<br>(μF) | Vdc<br>φD | 250         |             |             |             |             | 315         |             |             |             |             |
|-------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |           | φ20         | φ22         | φ25         | φ30         | φ35         | φ20         | φ22         | φ25         | φ30         | φ35         |
| 150         |           |             |             |             |             |             | 20×30: 1.00 |             |             |             |             |
| 180         |           | 20×25: 1.20 |             |             |             |             | 20×35: 1.13 | 22×30: 1.29 | 25×25: 1.38 |             |             |
| 220         |           | 20×25: 1.26 | 22×25: 1.24 |             |             |             | 20×35: 1.29 | 22×30: 1.41 | 25×25: 1.47 |             |             |
| 270         |           | 20×30: 1.42 | 22×25: 1.50 |             |             |             |             | 22×35: 1.68 | 25×30: 1.70 |             |             |
| 330         |           | 20×35: 1.68 | 22×30: 1.66 | 25×25: 1.61 |             |             |             | 22×40: 1.91 | 25×35: 1.94 | 30×25: 1.98 |             |
| 390         |           | 20×40: 1.92 | 22×35: 1.88 | 25×30: 1.88 |             |             |             | 22×45: 2.07 | 25×40: 2.11 | 30×30: 2.15 |             |
| 470         |           |             | 22×35: 2.15 | 25×35: 2.15 | 30×25: 2.04 |             |             |             | 25×50: 2.31 | 30×35: 2.38 | 35×30: 2.36 |
| 560         |           |             | 22×40: 2.48 | 25×35: 2.35 | 30×25: 2.35 |             |             |             |             | 30×35: 2.63 | 35×30: 2.69 |
| 680         |           |             |             | 25×40: 2.67 | 30×30: 2.71 |             |             |             |             | 30×45: 2.80 | 35×35: 3.05 |
| 820         |           |             |             | 25×45: 3.01 | 30×35: 2.98 | 35×30: 2.96 |             |             |             | 30×50: 3.28 | 35×40: 3.45 |
| 1000        |           |             |             |             | 30×40: 3.56 | 35×35: 3.48 |             |             |             |             | 35×45: 3.57 |
| 1200        |           |             |             |             | 30×45: 3.99 | 35×35: 3.84 |             |             |             |             |             |
| 1500        |           |             |             |             |             | 35×40: 4.33 |             |             |             |             |             |
| 1800        |           |             |             |             |             | 35×50: 4.54 |             |             |             |             |             |

| Cap<br>(μF) | Vdc<br>φD | 350         |             |             |             |             | 385         |             |             |             |             |
|-------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |           | φ20         | φ22         | φ25         | φ30         | φ35         | φ20         | φ22         | φ25         | φ30         | φ35         |
| 68          |           |             |             |             |             |             | 20×25: 0.68 |             |             |             |             |
| 82          |           |             |             |             |             |             | 20×30: 0.74 | 22×25: 0.76 |             |             |             |
| 100         |           |             |             |             |             |             | 20×30: 0.86 | 22×30: 0.89 |             |             |             |
| 120         |           | 20×30: 0.96 | 22×25: 1.04 |             |             |             | 20×35: 0.96 | 22×30: 0.98 | 25×25: 1.02 |             |             |
| 150         |           | 20×30: 1.10 | 22×30: 1.20 | 25×25: 1.22 |             |             | 20×35: 1.10 | 22×35: 1.12 | 25×30: 1.14 |             |             |
| 180         |           | 20×35: 1.24 | 22×30: 1.34 | 25×25: 1.37 |             |             | 20×40: 1.27 | 22×35: 1.27 | 25×30: 1.30 | 30×25: 1.37 |             |
| 220         |           |             | 22×35: 1.47 | 25×30: 1.53 | 30×25: 1.54 |             |             | 22×40: 1.42 | 25×35: 1.48 | 30×30: 1.49 |             |
| 270         |           |             | 22×40: 1.70 | 25×35: 1.73 | 30×25: 1.80 |             |             | 22×50: 1.60 | 25×40: 1.61 | 30×30: 1.64 |             |
| 330         |           |             | 22×45: 1.87 | 25×35: 1.97 | 30×30: 2.03 |             |             |             | 25×45: 1.80 | 30×35: 1.85 | 35×30: 1.87 |
| 390         |           |             |             | 25×40: 2.14 | 30×35: 2.23 | 35×30: 2.30 |             |             | 25×50: 2.04 | 30×40: 2.05 | 35×35: 2.07 |
| 470         |           |             |             | 25×50: 2.55 | 30×35: 2.53 | 35×30: 2.55 |             |             |             | 30×45: 2.26 | 35×35: 2.26 |
| 560         |           |             |             |             | 30×40: 2.73 | 35×35: 2.75 |             |             |             | 30×50: 2.57 | 35×40: 2.59 |
| 680         |           |             |             |             | 30×50: 3.15 | 35×40: 3.15 |             |             |             |             | 35×45: 2.80 |
| 820         |           |             |             |             |             | 35×45: 3.47 |             |             |             |             |             |
| 1000        |           |             |             |             |             | 35×50: 3.60 |             |             |             |             |             |

↑ リプル電流 Ripple Current (A r.m.s./120Hz, 85°C)  
↑ ケースサイズ Case Size φD×L(mm)

### ◆標準品一覧表 STANDARD SIZE

| Cap<br>( $\mu$ F) | Vdc<br>$\phi$ D | 400        |            |            |            |            | 420        |            |            |            |            |
|-------------------|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                   |                 | $\phi$ 20  | $\phi$ 22  | $\phi$ 25  | $\phi$ 30  | $\phi$ 35  | $\phi$ 20  | $\phi$ 22  | $\phi$ 25  | $\phi$ 30  | $\phi$ 35  |
| 68                |                 | 20×25:0.75 |            |            |            |            | 20×25:0.70 |            |            |            |            |
| 82                |                 | 20×30:0.82 | 22×25:0.84 |            |            |            | 20×30:0.80 | 22×25:0.85 |            |            |            |
| 100               |                 | 20×30:0.95 | 22×30:0.99 |            |            |            | 20×35:0.90 | 22×30:0.97 | 25×25:0.98 |            |            |
| 120               |                 | 20×35:1.07 | 22×30:1.09 | 25×25:1.13 |            |            | 20×35:1.04 | 22×30:1.07 | 25×25:1.08 |            |            |
| 150               |                 | 20×40:1.22 | 22×35:1.24 | 25×30:1.27 |            |            | 20×40:1.17 | 22×35:1.21 | 25×30:1.26 | 30×25:1.30 |            |
| 180               |                 |            | 22×40:1.41 | 25×30:1.44 | 30×25:1.52 |            |            | 22×40:1.33 | 25×35:1.42 | 30×25:1.48 |            |
| 220               |                 |            | 22×45:1.58 | 25×35:1.64 | 30×30:1.66 |            |            | 22×45:1.55 | 25×35:1.58 | 30×30:1.65 |            |
| 270               |                 |            |            | 25×40:1.79 | 30×30:1.82 |            |            |            | 25×40:1.74 | 30×35:1.90 | 35×30:1.94 |
| 330               |                 |            |            | 25×45:2.00 | 30×35:2.05 | 35×30:2.05 |            |            | 25×50:2.20 | 30×35:1.98 | 35×35:2.17 |
| 390               |                 |            |            |            | 30×40:2.26 | 35×35:2.28 |            |            |            | 30×40:2.22 | 35×35:2.27 |
| 470               |                 |            |            |            | 30×45:2.51 | 35×40:2.54 |            |            |            | 30×45:2.50 | 35×40:2.61 |
| 560               |                 |            |            |            | 30×50:2.85 | 35×40:2.85 |            |            |            |            | 35×45:2.95 |
| 680               |                 |            |            |            |            | 35×50:3.10 |            |            |            |            |            |

| Cap<br>( $\mu$ F) | Vdc<br>$\phi$ D | 450        |            |            |            |            |
|-------------------|-----------------|------------|------------|------------|------------|------------|
|                   |                 | $\phi$ 20  | $\phi$ 22  | $\phi$ 25  | $\phi$ 30  | $\phi$ 35  |
| 56                |                 | 20×25:0.61 |            |            |            |            |
| 68                |                 | 20×30:0.70 | 22×25:0.71 |            |            |            |
| 82                |                 | 20×35:0.80 | 22×25:0.86 |            |            |            |
| 100               |                 | 20×35:0.88 | 22×30:0.95 | 25×25:0.97 |            |            |
| 120               |                 | 20×40:0.99 | 22×35:1.07 | 25×30:1.09 | 30×25:1.12 |            |
| 150               |                 |            | 22×40:1.18 | 25×30:1.25 | 30×25:1.29 |            |
| 180               |                 |            | 22×45:1.32 | 25×35:1.40 | 30×30:1.45 |            |
| 220               |                 |            |            | 25×40:1.59 | 30×30:1.64 | 35×30:1.66 |
| 270               |                 |            |            | 25×45:1.73 | 30×35:1.89 | 35×30:1.90 |
| 330               |                 |            |            | 25×50:2.12 | 30×40:2.12 | 35×35:2.15 |
| 390               |                 |            |            |            | 30×45:2.35 | 35×40:2.38 |
| 470               |                 |            |            |            | 30×50:2.65 | 35×45:2.68 |
| 560               |                 |            |            |            |            | 35×50:2.88 |

↑ ↑ リプル電流 Ripple Current (A r.m.s./120Hz, 85°C)  
 ケースサイズ Case Size  $\phi$ D×L(mm)