

## SMG シリーズ

標準品 耐洗淨 RoHS指令適合品  
~ 250Vdc

- 85°C 2,000 時間保証。
- 315 ~ 450Vdc は基板洗淨タイプではありませんのでご注意ください。

SMQ  
↑ 小形化  
SMG

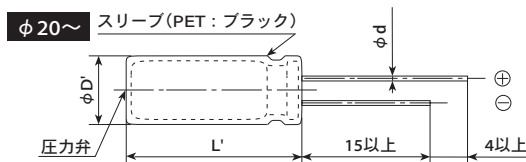
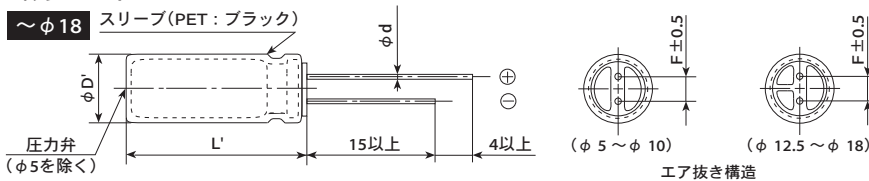


### ◆規格表

| 項目                             | 性能  |                             |      |      |      |      |                    |              |      |          |                |      |      |               |  |  |
|--------------------------------|---|-----------------------------|------|------|------|------|--------------------|--------------|------|----------|----------------|------|------|---------------|--|--|
| カテゴリ温度範囲                       | -40~+85°C (6.3~400Vdc)  |                             |      |      |      |      | -25~+85°C (450Vdc) |              |      |          |                |      |      |               |  |  |
| 定格電圧範囲                         | 6.3~450Vdc  |                             |      |      |      |      |                    |              |      |          |                |      |      |               |  |  |
| 静電容量許容差                        | ±20% (M) (20°C, 120Hz)  |                             |      |      |      |      |                    |              |      |          |                |      |      |               |  |  |
| 漏れ電流                           | 定格電圧  | 6.3~100Vdc                  |      |      |      |      |                    | 160~450Vdc   |      |          |                |      |      |               |  |  |
|                                | φ18以下   | I=0.03CVまたは4μAのうちいずれか大なる値以下 |      |      |      |      |                    | CV \ 時間      |      |          | 5分値            |      |      |               |  |  |
|                                |   |                             |      |      |      |      |                    | CV ≤ 1,000   |      |          | I=0.1CV+40以下   |      |      | I=0.03CV+15以下 |  |  |
|                                |   |                             |      |      |      |      |                    | CV > 1,000   |      |          | I=0.04CV+100以下 |      |      | I=0.02CV+25以下 |  |  |
|                                | φ20以上   | I=0.03CV以下                  |      |      |      |      |                    |              |      |          |                |      |      |               |  |  |
|                                | I: 漏れ電流(μA), C: 静電容量(μF), V: 定格電圧(Vdc) (20°C, 1分値)                                |                             |      |      |      |      |                    |              |      |          |                |      |      |               |  |  |
| 損失角の正接 (tan δ)                 | 定格電圧 (Vdc)  | 6.3V                        | 10V  | 16V  | 25V  | 35V  | 50V                | 63V          | 100V | 160~250V | 315~400V       | 450V |      |               |  |  |
|                                | tan δ (Max.)  | φ18以下                       | 0.34 | 0.24 | 0.20 | 0.16 | 0.14               | 0.12         | 0.09 | 0.08     | 0.20           | 0.24 | 0.24 |               |  |  |
|                                |   | φ20以上                       | 0.28 | 0.24 | 0.20 | 0.16 | 0.14               | 0.12         | 0.09 | 0.08     | 0.15           | 0.15 | 0.20 |               |  |  |
|                                | 但し、1,000μFを超えるものについては、1,000μF増す毎に0.02加えた値とする (20°C, 120Hz)                        |                             |      |      |      |      |                    |              |      |          |                |      |      |               |  |  |
| 温度特性<br>(インピーダンス比)<br>(右表の値以下) | 定格電圧 (Vdc)  | 6.3V                        | 10V  | 16V  | 25V  | 35V  | 50V                | 63V          | 100V | 160~250V | 315~400V       | 450V |      |               |  |  |
|                                | Z(-25°C) / Z(+20°C)   | φ18以下                       | 5    | 4    | 3    | 2    | 2                  | 2            | 2    | 2        | 3              | 6    | 6    |               |  |  |
|                                | φ20以上   | 5                           | 4    | 3    | 2    | 2    | 2                  | 2            | 2    | 2        | 4              | 6    | 6    |               |  |  |
|                                | Z(-40°C) / Z(+20°C)   | φ18以下                       | 12   | 10   | 8    | 5    | 4                  | 3            | 3    | 3        | 4              | 6    | -    |               |  |  |
|                                | (120Hz)   |                             |      |      |      |      |                    |              |      |          |                |      |      |               |  |  |
| 耐久性                            | 85°Cにおいて定格電圧を2,000時間印加後、20°Cに復帰させ測定を行なったとき、下記を満足すること                              |                             |      |      |      |      |                    |              |      |          |                |      |      |               |  |  |
|                                | 静電容量変化率   | 初期値の±20%以内                  |      |      |      |      |                    |              |      |          |                |      |      |               |  |  |
|                                | 損失角の正接  | 初期規格値の200%以下                |      |      |      |      |                    |              |      |          |                |      |      |               |  |  |
|                                | 漏れ電流  | 初期規格値以下                     |      |      |      |      |                    |              |      |          |                |      |      |               |  |  |
| 高温無負荷特性                        | 85°Cにおいて電圧を印加せず1,000時間放置後、20°Cに復帰させ試験前処理(JIS C 5101-4 4.1項)の後、測定を行なったとき、下記を満足すること |                             |      |      |      |      |                    |              |      |          |                |      |      |               |  |  |
|                                | 定格電圧 (Vdc)  | 6.3~100Vdc                  |      |      |      |      |                    | 160~450Vdc   |      |          |                |      |      |               |  |  |
|                                | 静電容量変化率   | 初期値の±20%以内                  |      |      |      |      |                    | 初期値の±20%以内   |      |          |                |      |      |               |  |  |
|                                | 損失角の正接  | 初期規格値の200%以下                |      |      |      |      |                    | 初期規格値の200%以下 |      |          |                |      |      |               |  |  |
|                                | 漏れ電流  | 初期規格値以下                     |      |      |      |      |                    | 初期規格値の500%以下 |      |          |                |      |      |               |  |  |
| 許容洗淨条件                         | テクニカルノート 6 項「基板洗淨について」をご参照下さい<br>(尚、定格電圧315Vdc~450Vdcは洗淨対策品ではありません)               |                             |      |      |      |      |                    |              |      |          |                |      |      |               |  |  |

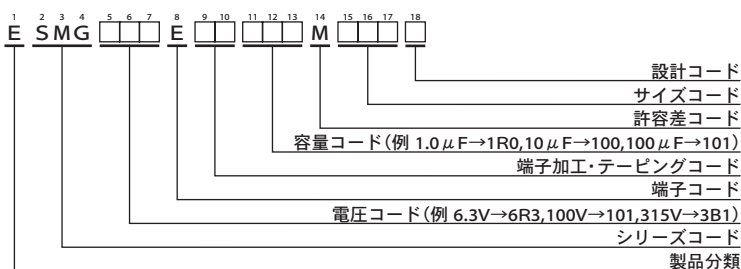
### ◆寸法図 (CE04 形) [mm]

#### ●端子コード : E



| φD  | 5        | 6.3 | 8   | 10  | 12.5 | 16  | 18  | 20      | 22       |
|-----|----------|-----|-----|-----|------|-----|-----|---------|----------|
| φd  | 0.5      | 0.5 | 0.6 | 0.6 | 0.6  | 0.8 | 0.8 | 1.0     | 1.0      |
| F   | 2.0      | 2.5 | 3.5 | 5.0 | 5.0  | 7.5 | 7.5 | 10.0    | 10.0     |
| φD' | φD+0.5以下 |     |     |     |      |     |     |         | φD+0.5以下 |
| L'  | L+1.5以下  |     |     |     |      |     |     | L+2.0以下 |          |

### ◆品番体系



品番コードの詳細は「品番の表し方(リード形)」をご参照下さい。

◆標準品一覧表

| WV<br>(Vdc) | Cap<br>( $\mu$ F) | ケースサイズ<br>$\phi D \times L$ (mm) | tan $\delta$ | 定格リプル<br>電流<br>(mA rms/<br>85℃, 120Hz) | 品番                  | WV<br>(Vdc) | Cap<br>( $\mu$ F) | ケースサイズ<br>$\phi D \times L$ (mm) | tan $\delta$ | 定格リプル<br>電流<br>(mA rms/<br>85℃, 120Hz) | 品番                 |                    |
|-------------|-------------------|----------------------------------|--------------|--|---------------------|-------------|-------------------|----------------------------------|--------------|--|--------------------|--------------------|
|             |                   |                                  |              |  |                     |             |                   |                                  |              |  |                    |                    |
| 6.3         | 220               | 5 × 11                           | 0.34         | 200                                    | ESMG6R3E□□221ME11D  | 25          | 6,800             | 22 × 30                          | 0.26         | 2,510                                  | ESMG250E□□682MP30S |                    |
|             | 330               | 6.3 × 11                         | 0.34         | 270                                    | ESMG6R3E□□331MF11D  |             | 8,200             | 20 × 40                          | 0.30         | 2,810                                  | ESMG250E□□822MN40S |                    |
|             | 470               | 6.3 × 11                         | 0.34         | 320                                    | ESMG6R3E□□471MF11D  |             | 8,200             | 22 × 35                          | 0.30         | 2,810                                  | ESMG250E□□822MP35S |                    |
|             | 1,000             | 8 × 11.5                         | 0.34         | 540                                    | ESMG6R3E□□102MHB5D  |             | 10,000            | 22 × 40                          | 0.34         | 3,240                                  | ESMG250E□□103MP40S |                    |
|             | 2,200             | 10 × 20                          | 0.36         | 1,000                                  | ESMG6R3E□□222MJ20S  |             | 12,000            | 22 × 40                          | 0.38         | 3,240                                  | ESMG250E□□123MP40S |                    |
|             | 3,300             | 10 × 20                          | 0.38         | 1,185                                  | ESMG6R3E□□332MJ20S  |             | 35                | 47                               | 5 × 11       | 0.14                                   | 130                | ESMG350E□□470ME11D |
|             | 4,700             | 12.5 × 20                        | 0.40         | 1,545                                  | ESMG6R3E□□472MK20S  |             |                   | 100                              | 6.3 × 11     | 0.14                                   | 210                | ESMG350E□□101MF11D |
|             | 6,800             | 12.5 × 25                        | 0.44         | 1,915                                  | ESMG6R3E□□682MK25S  |             |                   | 220                              | 8 × 11.5     | 0.14                                   | 385                | ESMG350E□□221MHB5D |
|             | 10,000            | 16 × 25                          | 0.52         | 2,330                                  | ESMG6R3E□□103ML25S  |             |                   | 330                              | 10 × 12.5    | 0.14                                   | 490                | ESMG350E□□331MJC5S |
|             | 10,000            | 20 × 25                          | 0.46         | 2,310                                  | ESMG6R3E□□103MN25S  |             |                   | 470                              | 10 × 16      | 0.14                                   | 645                | ESMG350E□□471MJ16S |
|             | 15,000            | 16 × 35.5                        | 0.62         | 2,845                                  | ESMG6R3E□□153MLP1S  |             |                   | 1,000                            | 12.5 × 20    | 0.14                                   | 1,145              | ESMG350E□□102MK20S |
|             | 15,000            | 20 × 30                          | 0.56         | 2,660                                  | ESMG6R3E□□153MN30S  |             |                   | 2,200                            | 16 × 25      | 0.16                                   | 1,785              | ESMG350E□□222ML25S |
|             | 18,000            | 20 × 35                          | 0.62         | 2,890                                  | ESMG6R3E□□183MN35S  |             |                   | 2,200                            | 20 × 20      | 0.16                                   | 1,670              | ESMG350E□□222MN20S |
|             | 18,000            | 22 × 30                          | 0.62         | 2,860                                  | ESMG6R3E□□183MP30S  |             |                   | 3,300                            | 16 × 35.5    | 0.18                                   | 2,275              | ESMG350E□□332MLP1S |
|             | 22,000            | 18 × 40                          | 0.76         | 3,320                                  | ESMG6R3E□□223MM40S  |             |                   | 3,300                            | 20 × 25      | 0.18                                   | 2,050              | ESMG350E□□332MN25S |
|             | 22,000            | 20 × 40                          | 0.70         | 3,130                                  | ESMG6R3E□□223MN40S  |             |                   | 3,900                            | 20 × 30      | 0.18                                   | 2,310              | ESMG350E□□392MN30S |
| 22,000      | 22 × 35           | 0.70                             | 3,130        | ESMG6R3E□□223MP35S                     | 4,700               | 18 × 35.5   |                   | 0.20                             | 2,700        | ESMG350E□□472MMP1S                     |                    |                    |
| 27,000      | 22 × 40           | 0.80                             | 3,280        | ESMG6R3E□□273MP40S                     | 4,700               | 20 × 35     |                   | 0.20                             | 2,510        | ESMG350E□□472MN35S                     |                    |                    |
| 10          | 220               | 5 × 11                           | 0.24         | 240                                    | ESMG100E□□221ME11D  | 4,700       |                   | 22 × 30                          | 0.20         | 2,380                                  | ESMG350E□□472MP30S |                    |
|             | 330               | 6.3 × 11                         | 0.24         | 290                                    | ESMG100E□□331MF11D  | 5,600       |                   | 20 × 40                          | 0.22         | 2,690                                  | ESMG350E□□562MN40S |                    |
|             | 470               | 6.3 × 11                         | 0.24         | 350                                    | ESMG100E□□471MF11D  | 5,600       |                   | 22 × 35                          | 0.22         | 2,690                                  | ESMG350E□□562MP35S |                    |
|             | 1,000             | 10 × 12.5                        | 0.24         | 650                                    | ESMG100E□□102MJC5S  | 6,800       | 22 × 40           | 0.24                             | 3,090        | ESMG350E□□682MP40S                     |                    |                    |
|             | 2,200             | 10 × 20                          | 0.26         | 1,070                                  | ESMG100E□□222MJ20S  | 50          | 1.0               | 5 × 11                           | 0.12         | 17                                     | ESMG500E□□1R0ME11D |                    |
|             | 3,300             | 12.5 × 20                        | 0.28         | 1,420                                  | ESMG100E□□332MK20S  |             | 2.2               | 5 × 11                           | 0.12         | 28                                     | ESMG500E□□2R2ME11D |                    |
|             | 4,700             | 12.5 × 25                        | 0.30         | 1,780                                  | ESMG100E□□472MK25S  |             | 3.3               | 5 × 11                           | 0.12         | 35                                     | ESMG500E□□3R3ME11D |                    |
|             | 6,800             | 16 × 25                          | 0.34         | 2,220                                  | ESMG100E□□682ML25S  |             | 4.7               | 5 × 11                           | 0.12         | 41                                     | ESMG500E□□470MF11D |                    |
|             | 6,800             | 20 × 20                          | 0.34         | 2,080                                  | ESMG100E□□682MN20S  |             | 10                | 5 × 11                           | 0.12         | 60                                     | ESMG500E□□100ME11D |                    |
|             | 10,000            | 16 × 35.5                        | 0.42         | 2,670                                  | ESMG100E□□103MLP1S  |             | 22                | 5 × 11                           | 0.12         | 95                                     | ESMG500E□□220ME11D |                    |
|             | 10,000            | 20 × 25                          | 0.42         | 2,410                                  | ESMG100E□□103MN25S  |             | 33                | 5 × 11                           | 0.12         | 125                                    | ESMG500E□□330ME11D |                    |
|             | 12,000            | 20 × 30                          | 0.46         | 2,620                                  | ESMG100E□□123MN30S  |             | 47                | 6.3 × 11                         | 0.12         | 155                                    | ESMG500E□□470MF11D |                    |
|             | 15,000            | 18 × 35.5                        | 0.52         | 3,080                                  | ESMG100E□□153MMP1S  |             | 100               | 8 × 11.5                         | 0.12         | 260                                    | ESMG500E□□101MHB5D |                    |
|             | 15,000            | 20 × 35                          | 0.52         | 2,870                                  | ESMG100E□□153MN35S  |             | 220               | 10 × 12.5                        | 0.12         | 430                                    | ESMG500E□□221MJC5S |                    |
|             | 15,000            | 22 × 30                          | 0.52         | 2,660                                  | ESMG100E□□153MP30S  |             | 330               | 10 × 16                          | 0.12         | 585                                    | ESMG500E□□331MJ16S |                    |
|             | 18,000            | 22 × 35                          | 0.58         | 3,050                                  | ESMG100E□□183MP35S  |             | 470               | 10 × 20                          | 0.12         | 755                                    | ESMG500E□□471MJ20S |                    |
| 22,000      | 22 × 40           | 0.66                             | 3,480        | ESMG100E□□223MP40S                     | 1,000               |             | 12.5 × 25         | 0.12                             | 1,340        | ESMG500E□□102MK25S                     |                    |                    |
| 16          | 100               | 5 × 11                           | 0.20         | 160                                    | ESMG160E□□101ME11D  |             | 1,500             | 20 × 20                          | 0.12         | 1,570                                  | ESMG500E□□152MN20S |                    |
|             | 220               | 6.3 × 11                         | 0.20         | 260                                    | ESMG160E□□221MF11D  |             | 2,200             | 16 × 35.5                        | 0.14         | 2,075                                  | ESMG500E□□222MLP1S |                    |
|             | 330               | 8 × 11.5                         | 0.20         | 370                                    | ESMG160E□□331MHB5D  |             | 2,200             | 20 × 25                          | 0.14         | 1,880                                  | ESMG500E□□222MN25S |                    |
|             | 470               | 8 × 11.5                         | 0.20         | 440                                    | ESMG160E□□471MHB5D  | 2,700       | 20 × 30           | 0.14                             | 2,150        | ESMG500E□□272MN30S                     |                    |                    |
|             | 1,000             | 10 × 16                          | 0.20         | 785                                    | ESMG160E□□102MJ16S  | 3,300       | 18 × 35.5         | 0.16                             | 2,500        | ESMG500E□□332MMP1S                     |                    |                    |
|             | 2,200             | 12.5 × 20                        | 0.22         | 1,295                                  | ESMG160E□□222MK20S  | 3,300       | 20 × 35           | 0.16                             | 2,420        | ESMG500E□□332MN35S                     |                    |                    |
|             | 3,300             | 12.5 × 25                        | 0.24         | 1,655                                  | ESMG160E□□332MK25S  | 3,300       | 22 × 30           | 0.16                             | 2,420        | ESMG500E□□332MP30S                     |                    |                    |
|             | 4,700             | 16 × 25                          | 0.26         | 2,090                                  | ESMG160E□□472ML25S  | 3,900       | 20 × 40           | 0.16                             | 2,590        | ESMG500E□□392MN40S                     |                    |                    |
|             | 4,700             | 20 × 20                          | 0.26         | 1,960                                  | ESMG160E□□472MN20S  | 3,900       | 22 × 35           | 0.16                             | 2,590        | ESMG500E□□392MP35S                     |                    |                    |
|             | 6,800             | 16 × 31.5                        | 0.30         | 2,520                                  | ESMG160E□□682MLN3S  | 4,700       | 22 × 40           | 0.18                             | 2,960        | ESMG500E□□472MP40S                     |                    |                    |
|             | 6,800             | 20 × 25                          | 0.30         | 2,330                                  | ESMG160E□□682MN25S  | 63          | 10                | 5 × 11                           | 0.09         | 65                                     | ESMG630E□□100ME11D |                    |
|             | 8,200             | 20 × 30                          | 0.34         | 2,500                                  | ESMG160E□□822MN30S  |             | 22                | 5 × 11                           | 0.09         | 100                                    | ESMG630E□□220ME11D |                    |
|             | 10,000            | 18 × 35.5                        | 0.38         | 2,920                                  | ESMG160E□□103MMP1S  |             | 33                | 6.3 × 11                         | 0.09         | 140                                    | ESMG630E□□330MF11D |                    |
|             | 10,000            | 20 × 35                          | 0.38         | 2,720                                  | ESMG160E□□103MN35S  |             | 47                | 6.3 × 11                         | 0.09         | 170                                    | ESMG630E□□470MF11D |                    |
|             | 10,000            | 22 × 30                          | 0.38         | 2,660                                  | ESMG160E□□103MP30S  |             | 100               | 10 × 12.5                        | 0.09         | 300                                    | ESMG630E□□101MJC5S |                    |
|             | 12,000            | 20 × 40                          | 0.42         | 2,900                                  | ESMG160E□□123MN40S  |             | 220               | 10 × 16                          | 0.09         | 490                                    | ESMG630E□□221MJ16S |                    |
| 12,000      | 22 × 35           | 0.42                             | 2,900        | ESMG160E□□123MP35S                     | 330                 |             | 10 × 20           | 0.09                             | 710          | ESMG630E□□331MJ20S                     |                    |                    |
| 15,000      | 22 × 40           | 0.48                             | 3,380        | ESMG160E□□153MP40S                     | 470                 |             | 12.5 × 20         | 0.09                             | 900          | ESMG630E□□471MK20S                     |                    |                    |
| 25          | 47                | 5 × 11                           | 0.16         | 115                                    | ESMG250E□□470ME11D  |             | 820               | 20 × 20                          | 0.09         | 1,370                                  | ESMG630E□□821MN20S |                    |
|             | 100               | 6.3 × 11                         | 0.16         | 190                                    | ESMG250E□□101MF11D  |             | 1,000             | 16 × 25                          | 0.09         | 1,300                                  | ESMG630E□□102ML25S |                    |
|             | 220               | 8 × 11.5                         | 0.16         | 330                                    | ESMG250E□□221MHB5D  |             | 1,000             | 20 × 25                          | 0.09         | 1,600                                  | ESMG630E□□102MN25S |                    |
|             | 330               | 8 × 11.5                         | 0.16         | 440                                    | ESMG250E□□331MHB5D  |             | 1,500             | 20 × 30                          | 0.09         | 1,850                                  | ESMG630E□□152MN30S |                    |
|             | 470               | 10 × 12.5                        | 0.16         | 545                                    | ESMG250E□□471MJ5C5S |             | 2,200             | 20 × 35                          | 0.11         | 2,330                                  | ESMG630E□□222MN35S |                    |
|             | 1,000             | 10 × 20                          | 0.16         | 955                                    | ESMG250E□□102MJ20S  |             | 2,200             | 22 × 30                          | 0.11         | 2,190                                  | ESMG630E□□222MP30S |                    |
|             | 2,200             | 12.5 × 25                        | 0.18         | 1,540                                  | ESMG250E□□222MK25S  |             | 2,700             | 20 × 40                          | 0.11         | 2,640                                  | ESMG630E□□272MN40S |                    |
|             | 3,300             | 16 × 25                          | 0.20         | 1,975                                  | ESMG250E□□332ML25S  |             | 3,300             | 22 × 40                          | 0.13         | 2,810                                  | ESMG630E□□332MP40S |                    |
|             | 3,300             | 20 × 20                          | 0.20         | 1,850                                  | ESMG250E□□332MN20S  | 100         | 1.0               | 5 × 11                           | 0.08         | 21                                     | ESMG101E□□1R0ME11D |                    |
|             | 4,700             | 16 × 31.5                        | 0.22         | 2,420                                  | ESMG250E□□472MLN3S  |             | 2.2               | 5 × 11                           | 0.08         | 30                                     | ESMG101E□□2R2ME11D |                    |
|             | 4,700             | 20 × 25                          | 0.22         | 2,420                                  | ESMG250E□□472MN25S  |             | 3.3               | 5 × 11                           | 0.08         | 40                                     | ESMG101E□□3R3ME11D |                    |
|             | 5,600             | 20 × 30                          | 0.24         | 2,430                                  | ESMG250E□□562MN30S  |             | 4.7               | 5 × 11                           | 0.08         | 45                                     | ESMG101E□□4R7ME11D |                    |
|             | 6,800             | 18 × 35.5                        | 0.26         | 2,880                                  | ESMG250E□□682MMP1S  |             | 10                | 6.3 × 11                         | 0.08         | 75                                     | ESMG101E□□100MF11D |                    |
|             | 6,800             | 20 × 35                          | 0.26         | 2,680                                  | ESMG250E□□682MN35S  |             | 22                | 8 × 11.5                         | 0.08         | 130                                    | ESMG101E□□220MHB5D |                    |

□□には端子加工・テーピングコードが入ります。

記載内容は予告なく変更する場合があります。ご購入、ご使用の際は当社の納入仕様書をご要求下さい。本カタログと納入仕様書の記載内容に基づいてご使用下さい。

◆標準品一覧表

□□内の製品(315~450V<sub>dc</sub>)は基板洗浄できません。

| WV (Vdc) | Cap (μF) | ケースサイズ φD×L (mm) | tan δ | 定格リプル電流 (mA <sub>rms</sub> /85°C,120Hz) | 品番                 | WV (Vdc) | Cap (μF) | ケースサイズ φD×L (mm) | tan δ  | 定格リプル電流 (mA <sub>rms</sub> /85°C,120Hz) | 品番                 |                    |
|----------|----------|------------------|-------|---|--------------------|----------|----------|------------------|--------|---|--------------------|--------------------|
| 100      | 33       | 8×11.5           | 0.08  | 180                                     | ESMG101E□□330MHB5D | 315      | 47       | 20×20            | 0.15   | 310                                     | ESMG3B1E□□470MN20S |                    |
|          | 47       | 10×12.5          | 0.08  | 230                                     | ESMG101E□□470MJC5S |          | 68       | 20×25            | 0.15   | 400                                     | ESMG3B1E□□680MN25S |                    |
|          | 100      | 10×20            | 0.08  | 370                                     | ESMG101E□□101MJ20S |          | 82       | 20×25            | 0.15   | 440                                     | ESMG3B1E□□820MN25S |                    |
|          | 220      | 12.5×25          | 0.08  | 620                                     | ESMG101E□□221MK25S |          | 100      | 20×30            | 0.15   | 500                                     | ESMG3B1E□□101MN30S |                    |
|          | 330      | 12.5×25          | 0.08  | 760                                     | ESMG101E□□331MK25S |          | 120      | 20×30            | 0.15   | 550                                     | ESMG3B1E□□121MN30S |                    |
|          | 330      | 20×20            | 0.08  | 870                                     | ESMG101E□□331MN20S |          | 180      | 20×40            | 0.15   | 720                                     | ESMG3B1E□□181MN40S |                    |
|          | 470      | 16×25            | 0.08  | 1,000                                   | ESMG101E□□471ML25S |          | 180      | 22×35            | 0.15   | 720                                     | ESMG3B1E□□181MP35S |                    |
|          | 680      | 20×30            | 0.08  | 1,360                                   | ESMG101E□□681MN30S |          | 220      | 22×40            | 0.15   | 810                                     | ESMG3B1E□□221MP40S |                    |
|          | 820      | 22×30            | 0.08  | 1,540                                   | ESMG101E□□821MP30S |          | 350      | 1.0              | 6.3×11 | 0.24                                    | 22                 | ESMG351E□□1R0MF11D |
|          | 1,000    | 18×40            | 0.08  | 1,380                                   | ESMG101E□□102MM40S |          |          | 2.2              | 8×11.5 | 0.24                                    | 38                 | ESMG351E□□2R2MHB5D |
|          | 1,000    | 20×35            | 0.08  | 1,720                                   | ESMG101E□□102MN35S |          |          | 3.3              | 8×11.5 | 0.24                                    | 46                 | ESMG351E□□3R3MHB5D |
| 1,200    | 22×40    | 0.08             | 1,980 | ESMG101E□□122MP40S                      | 4.7                | 10×12.5  |          | 0.24             | 65     | ESMG351E□□4R7MJC5S                      |                    |                    |
| 160      | 3.3      | 6.3×11           | 0.20  | 40                                      | ESMG161E□□3R3MF11D | 10       |          | 10×20            | 0.24   | 115                                     | ESMG351E□□100MJ20S |                    |
|          | 4.7      | 6.3×11           | 0.20  | 48                                      | ESMG161E□□4R7MF11D | 22       |          | 12.5×20          | 0.24   | 185                                     | ESMG351E□□220MK20S |                    |
|          | 10       | 10×12.5          | 0.20  | 94                                      | ESMG161E□□100MJC5S | 33       |          | 16×25            | 0.24   | 275                                     | ESMG351E□□330ML25S |                    |
|          | 22       | 10×20            | 0.20  | 170                                     | ESMG161E□□220MJ20S | 47       |          | 16×25            | 0.24   | 325                                     | ESMG351E□□470ML25S |                    |
|          | 33       | 10×20            | 0.20  | 205                                     | ESMG161E□□330MJ20S | 47       |          | 20×20            | 0.15   | 310                                     | ESMG351E□□470MN20S |                    |
|          | 47       | 12.5×20          | 0.20  | 270                                     | ESMG161E□□470MK20S | 68       |          | 20×25            | 0.15   | 400                                     | ESMG351E□□680MN25S |                    |
|          | 100      | 12.5×25          | 0.20  | 430                                     | ESMG161E□□101MK25S | 100      |          | 18×31.5          | 0.24   | 530                                     | ESMG351E□□101MMN3S |                    |
|          | 220      | 16×31.5          | 0.20  | 760                                     | ESMG161E□□221MLN3S | 100      | 20×30    | 0.15             | 500    | ESMG351E□□101MN30S                      |                    |                    |
|          | 220      | 20×25            | 0.15  | 730                                     | ESMG161E□□221MN25S | 120      | 20×35    | 0.15             | 560    | ESMG351E□□121MN35S                      |                    |                    |
|          | 330      | 18×35.5          | 0.20  | 995                                     | ESMG161E□□331MMP1S | 400      | 1.0      | 6.3×11           | 0.24   | 22                                      | ESMG401E□□1R0MF11D |                    |
|          | 330      | 20×30            | 0.15  | 920                                     | ESMG161E□□331MN30S |          | 2.2      | 8×11.5           | 0.24   | 38                                      | ESMG401E□□2R2MHB5D |                    |
|          | 390      | 20×35            | 0.15  | 1,160                                   | ESMG161E□□391MN35S |          | 3.3      | 10×12.5          | 0.24   | 54                                      | ESMG401E□□3R3MJC5S |                    |
|          | 390      | 22×30            | 0.15  | 1,160                                   | ESMG161E□□391MP30S |          | 4.7      | 10×16            | 0.24   | 71                                      | ESMG401E□□4R7MJ16S |                    |
|          | 470      | 20×40            | 0.15  | 1,340                                   | ESMG161E□□471MN40S |          | 10       | 10×20            | 0.24   | 115                                     | ESMG401E□□100MJ20S |                    |
| 470      | 22×35    | 0.15             | 1,340 | ESMG161E□□471MP35S                      | 22                 |          | 12.5×25  | 0.24             | 205    | ESMG401E□□220MK25S                      |                    |                    |
| 560      | 22×40    | 0.15             | 1,470 | ESMG161E□□561MP40S                      | 33                 |          | 16×25    | 0.24             | 275    | ESMG401E□□330ML25S                      |                    |                    |
| 200      | 3.3      | 6.3×11           | 0.20  | 40                                      | ESMG201E□□3R3MF11D |          | 33       | 20×20            | 0.15   | 260                                     | ESMG401E□□330MN20S |                    |
|          | 4.7      | 8×11.5           | 0.20  | 55                                      | ESMG201E□□4R7MHB5D |          | 47       | 16×31.5          | 0.24   | 350                                     | ESMG401E□□470MLN3S |                    |
|          | 10       | 10×12.5          | 0.20  | 94                                      | ESMG201E□□100MJC5S |          | 56       | 20×25            | 0.15   | 350                                     | ESMG401E□□560MN25S |                    |
|          | 22       | 10×20            | 0.20  | 170                                     | ESMG201E□□220MJ20S |          | 68       | 20×30            | 0.15   | 420                                     | ESMG401E□□680MN30S |                    |
|          | 33       | 10×20            | 0.20  | 205                                     | ESMG201E□□330MJ20S | 100      | 20×35    | 0.15             | 520    | ESMG401E□□101MN35S                      |                    |                    |
|          | 47       | 12.5×20          | 0.20  | 270                                     | ESMG201E□□470MK20S | 100      | 22×30    | 0.15             | 520    | ESMG401E□□101MP30S                      |                    |                    |
|          | 100      | 16×25            | 0.20  | 475                                     | ESMG201E□□101ML25S | 120      | 20×40    | 0.15             | 580    | ESMG401E□□121MN40S                      |                    |                    |
|          | 100      | 20×20            | 0.15  | 460                                     | ESMG201E□□101MN20S | 120      | 22×35    | 0.15             | 580    | ESMG401E□□121MP35S                      |                    |                    |
|          | 180      | 20×25            | 0.15  | 660                                     | ESMG201E□□181MN25S | 450      | 2.2      | 10×12.5          | 0.24   | 32                                      | ESMG451E□□2R2MJC5S |                    |
|          | 220      | 18×35.5          | 0.20  | 810                                     | ESMG201E□□221MMP1S |          | 3.3      | 10×16            | 0.24   | 44                                      | ESMG451E□□3R3MJ16S |                    |
|          | 220      | 20×30            | 0.15  | 750                                     | ESMG201E□□221MN30S |          | 4.7      | 10×20            | 0.24   | 56                                      | ESMG451E□□4R7MJ20S |                    |
|          | 270      | 20×30            | 0.15  | 830                                     | ESMG201E□□271MN30S |          | 10       | 12.5×20          | 0.24   | 91                                      | ESMG451E□□100MK20S |                    |
|          | 330      | 20×35            | 0.15  | 1,070                                   | ESMG201E□□331MN35S |          | 22       | 16×25            | 0.24   | 165                                     | ESMG451E□□220ML25S |                    |
|          | 330      | 22×30            | 0.15  | 1,070                                   | ESMG201E□□331MP30S |          | 22       | 20×20            | 0.20   | 180                                     | ESMG451E□□220MN20S |                    |
|          | 390      | 20×40            | 0.15  | 1,190                                   | ESMG201E□□391MN40S |          | 33       | 16×31.5          | 0.24   | 215                                     | ESMG451E□□330MLN3S |                    |
|          | 390      | 22×30            | 0.15  | 1,160                                   | ESMG201E□□391MP30S |          | 33       | 20×25            | 0.20   | 240                                     | ESMG451E□□330MN25S |                    |
|          | 470      | 22×40            | 0.15  | 1,350                                   | ESMG201E□□471MP40S |          | 47       | 16×35.5          | 0.24   | 265                                     | ESMG451E□□470MLP1S |                    |
| 560      | 22×40    | 0.15             | 1,430 | ESMG201E□□561MP40S                      | 47                 |          | 20×25    | 0.20             | 290    | ESMG451E□□470MN25S                      |                    |                    |
| 250      | 2.2      | 6.3×11           | 0.20  | 32                                      | ESMG251E□□2R2MF11D |          | 56       | 20×30            | 0.20   | 320                                     | ESMG451E□□560MN30S |                    |
|          | 3.3      | 8×11.5           | 0.20  | 46                                      | ESMG251E□□3R3MHB5D | 68       | 20×35    | 0.20             | 370    | ESMG451E□□680MN35S                      |                    |                    |
|          | 4.7      | 8×11.5           | 0.20  | 55                                      | ESMG251E□□4R7MHB5D | 68       | 22×30    | 0.20             | 370    | ESMG451E□□680MP30S                      |                    |                    |
|          | 10       | 10×16            | 0.20  | 105                                     | ESMG251E□□100MJ16S | 82       | 20×40    | 0.20             | 420    | ESMG451E□□820MN40S                      |                    |                    |
|          | 22       | 10×20            | 0.20  | 170                                     | ESMG251E□□220MJ20S | 82       | 22×35    | 0.20             | 420    | ESMG451E□□820MP35S                      |                    |                    |
|          | 33       | 12.5×20          | 0.20  | 230                                     | ESMG251E□□330MK20S | 100      | 22×40    | 0.20             | 470    | ESMG451E□□101MP40S                      |                    |                    |
|          | 47       | 12.5×25          | 0.20  | 295                                     | ESMG251E□□470MK25S |          |          |                  |        |   |                    |                    |
|          | 82       | 20×20            | 0.15  | 420                                     | ESMG251E□□820MN20S |          |          |                  |        |   |                    |                    |
|          | 100      | 16×31.5          | 0.20  | 515                                     | ESMG251E□□101MLN3S |          |          |                  |        |   |                    |                    |
|          | 100      | 20×25            | 0.15  | 490                                     | ESMG251E□□101MN25S |          |          |                  |        |   |                    |                    |
|          | 120      | 20×25            | 0.15  | 530                                     | ESMG251E□□121MN25S |          |          |                  |        |   |                    |                    |
|          | 180      | 20×30            | 0.15  | 680                                     | ESMG251E□□181MN30S |          |          |                  |        |   |                    |                    |
|          | 220      | 18×40            | 0.20  | 825                                     | ESMG251E□□221MM40S |          |          |                  |        |   |                    |                    |
|          | 220      | 20×35            | 0.15  | 780                                     | ESMG251E□□221MN35S |          |          |                  |        |   |                    |                    |
|          | 220      | 22×30            | 0.15  | 820                                     | ESMG251E□□221MP30S |          |          |                  |        |   |                    |                    |
|          | 270      | 20×40            | 0.15  | 880                                     | ESMG251E□□271MN40S |          |          |                  |        |   |                    |                    |
|          | 270      | 22×35            | 0.15  | 880                                     | ESMG251E□□271MP35S |          |          |                  |        |   |                    |                    |
|          | 330      | 22×40            | 0.15  | 1,060                                   | ESMG251E□□331MP40S |          |          |                  |        |   |                    |                    |

□□には端子加工・テーピングコードが入ります。

◆定格リプル電流周波数補正係数

リプル周波数が標準品一覧表の規定値と異なる場合は、下表の係数を乗じた値以下でご使用下さい。

●周波数補正係数

(～φ18)

| 静電容量 (μF) \ 周波数 (Hz) | 50   | 120  | 300  | 1k   | 10k  | 100k |
|----------------------|------|------|------|------|------|------|
| 1.0～4.7              | 0.65 | 1.00 | 1.35 | 1.75 | 2.30 | 2.50 |
| 10～47                | 0.75 | 1.00 | 1.25 | 1.50 | 1.75 | 1.80 |
| 100～1,000            | 0.80 | 1.00 | 1.15 | 1.30 | 1.40 | 1.50 |
| 2,200～               | 0.85 | 1.00 | 1.03 | 1.05 | 1.08 | 1.08 |

(φ20～)

| 定格電圧 (Vdc) \ 周波数 (Hz) | 50   | 120  | 300  | 1k   | 10k  | 100k |
|-----------------------|------|------|------|------|------|------|
| 6.3～50                | 0.95 | 1.00 | 1.03 | 1.05 | 1.08 | 1.08 |
| 63～100                | 0.92 | 1.00 | 1.07 | 1.13 | 1.19 | 1.20 |
| 160～250               | 0.81 | 1.00 | 1.17 | 1.32 | 1.45 | 1.50 |
| 315～450               | 0.77 | 1.00 | 1.16 | 1.30 | 1.41 | 1.43 |

※アルミ電解コンデンサの劣化はリプル電流重畳による自己発熱温度上昇により、5℃上昇するごとに2倍の寿命加速となります。

長寿命を期待する場合はリプル電流を低減してご使用下さい。