

## LEX series

125°C 3000~5000時間品  
Load Life: 125°C 3000~5000 hours

・LED照明用電源回路に最適。  
For LED Lighting.



### ◆規格表／SPECIFICATIONS

| 項目 Item                                                                  | 特性 Characteristics                                                                                                                                                                    |                                                            |                                                                                                           |      |                                                                                                  |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------|
| カテゴリ温度範囲<br>Category Temperature Range                                   | -40~+125°C                                                                                                                                                                            |                                                            |                                                                                                           |      |                                                                                                  |
| 定格電圧範囲<br>Rated Voltage Range                                            | 160~450Vdc                                                                                                                                                                            |                                                            |                                                                                                           |      |                                                                                                  |
| 静電容量許容差<br>Capacitance Tolerance                                         | ±20%(20°C, 120Hz)                                                                                                                                                                     |                                                            |                                                                                                           |      |                                                                                                  |
| 漏れ電流<br>Leakage Current (MAX)                                            | CV ≤ 1000                                                                                                                                                                             |                                                            | CV > 1000                                                                                                 |      | I = 漏れ電流(μA)<br>Leakage Current<br>C = 静電容量(μF)<br>Capacitance<br>V = 定格電圧(Vdc)<br>Rated Voltage |
|                                                                          | I=0.1CV+40 μA以下(1分値)<br>I=0.1CV+40 μA (1minute)<br>I=0.03CV+15 μA以下(5分値)<br>I=0.03CV+15 μA (5minutes)                                                                                 |                                                            | I=0.04CV+100 μA以下(1分値)<br>I=0.04CV+100 μA (1minute)<br>I=0.02CV+25 μA以下(5分値)<br>I=0.02CV+25 μA (5minutes) |      |                                                                                                  |
| 損失角の正接(tan δ)<br>Dissipation Factor (MAX)                                | 定格電圧 (Vdc)<br>Rated Voltage                                                                                                                                                           | 160                                                        | 200                                                                                                       | 250  | 400 450 (20°C, 120Hz)                                                                            |
|                                                                          | tan δ                                                                                                                                                                                 | 0.24                                                       | 0.24                                                                                                      | 0.24 | 0.24                                                                                             |
| 耐久性<br>Endurance                                                         | 125°C中で右表の時間定格電圧(リップル重畳)印加後、下記項目を満足すること。<br>After applying rated voltage with rated ripple current for specified time at 125°C, the capacitors shall meet the following requirements. |                                                            |                                                                                                           |      |                                                                                                  |
|                                                                          | 静電容量変化率<br>Capacitance Change                                                                                                                                                         | 初期値の±30%以内<br>Within ±30% of the initial value.            |                                                                                                           |      | ケースサイズ<br>Case Size                                                                              |
|                                                                          | 損失角の正接<br>Dissipation Factor                                                                                                                                                          | 規格値の 300% 以下<br>Not more than 300% of the specified value. |                                                                                                           |      | Time(hrs)                                                                                        |
|                                                                          | 漏れ電流<br>Leakage Current                                                                                                                                                               | 規格値以下<br>Not more than the specified value.                |                                                                                                           |      | 160~400Vdc 450Vdc                                                                                |
|                                                                          |                                                                                                                                                                                       |                                                            |                                                                                                           |      | 6.3x11, 8x9, 10x9                                                                                |
|                                                                          |                                                                                                                                                                                       |                                                            |                                                                                                           |      | 8x11.5                                                                                           |
|                                                                          |                                                                                                                                                                                       |                                                            |                                                                                                           |      | 10x12.5, 10x16, 10x20                                                                            |
|                                                                          |                                                                                                                                                                                       |                                                            |                                                                                                           |      | φD ≥ 12.5                                                                                        |
| 低温特性<br>Low Temperature Stability<br>(インピーダンス比)<br>Impedance Ratio (MAX) | 定格電圧 (Vdc)<br>Rated Voltage                                                                                                                                                           | 160                                                        | 200                                                                                                       | 250  | 400 450 (120Hz)                                                                                  |
|                                                                          | Z(-25°C)/Z(+20°C)                                                                                                                                                                     | 3                                                          | 3                                                                                                         | 6    | 6 6                                                                                              |
|                                                                          | Z(-40°C)/Z(+20°C)                                                                                                                                                                     | 8                                                          | 8                                                                                                         | 10   | 12 12                                                                                            |

### ◆呼称方法／PART NUMBER

|                       |                 |                     |                                  |               |                         |                     |
|-----------------------|-----------------|---------------------|----------------------------------|---------------|-------------------------|---------------------|
| □□□                   | LEX             | □□□□□               | M                                | □□□           | □□                      | D x L               |
| 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 | リード加工記号<br>Lead Forming | ケースサイズ<br>Case Size |

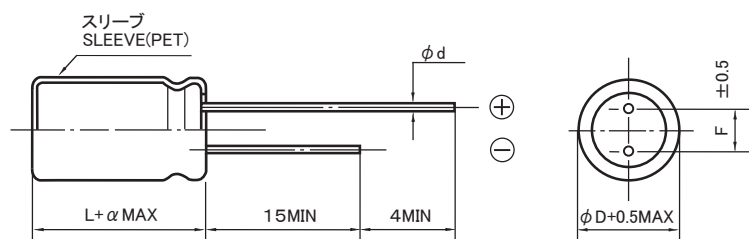
### ◆リップル電流補正係数／ MULTIPLIER FOR RIPPLE CURRENT

| Frequency (Hz)    | 120 | 1k  | 10k | 100k ≤ |
|-------------------|-----|-----|-----|--------|
| 係数<br>Coefficient |     |     |     |        |
| 1~5.6 μF          | 1.0 | 1.6 | 1.8 | 2.0    |
| 6.8~18 μF         | 1.0 | 1.5 | 1.7 | 1.9    |
| 22~56 μF          | 1.0 | 1.4 | 1.6 | 1.8    |

### ◆副記号／OPTION

EFC : PETスリーブ PET Sleeve

◆寸法図／DIMENSIONS



|          |      |     |     |      |     |    |
|----------|------|-----|-----|------|-----|----|
|          | (mm) |     |     |      |     |    |
| $\phi D$ | 6.3  | 8   | 10  | 12.5 | 16  | 18 |
| $\phi d$ | 0.5  | 0.6 |     |      | 0.8 |    |
| F        | 2.5  | 3.5 | 5.0 |      | 7.5 |    |
| $\alpha$ | 2.0  |     |     |      |     |    |

◆標準品一覧表／STANDARD SIZE

Rated Ripple Current ( mA r.m.s./125°C)

| 定格電圧<br>Rated Voltage<br>(Vdc) | 静電容量<br>Capacitance<br>(μF) | 外形寸法<br>Size<br>φD×L (mm) | 定格リプル電流<br>Rated Ripple |        |
|--------------------------------|-----------------------------|---------------------------|-------------------------|--------|
|                                |                             |                           | 120Hz                   | 100kHz |
| 160                            | 5.6                         | 6.3×11                    | 52                      | 104    |
|                                | 10                          | 8×9                       | 70                      | 133    |
|                                | 15                          | 8×11.5                    | 92                      | 174    |
|                                |                             | 10×9                      | 95                      | 180    |
|                                | 22                          | 10×12.5                   | 121                     | 217    |
|                                | 33                          | 10×16                     | 158                     | 284    |
| 200                            | 2.2                         | 6.3×11                    | 36                      | 72     |
|                                | 3.3                         | 6.3×11                    | 42                      | 84     |
|                                | 4.7                         | 6.3×11                    | 49                      | 98     |
|                                | 5.6                         | 8×9                       | 56                      | 112    |
|                                | 6.8                         | 8×9                       | 62                      | 117    |
|                                | 8.2                         | 8×9                       | 66                      | 125    |
|                                | 10                          | 8×11.5                    | 80                      | 152    |
|                                | 12                          | 10×9                      | 88                      | 167    |
|                                | 18                          | 10×12.5                   | 113                     | 214    |
|                                | 27                          | 10×16                     | 149                     | 268    |
| 250                            | 1.8                         | 6.3×11                    | 33                      | 66     |
|                                | 2.2                         | 6.3×11                    | 36                      | 72     |
|                                | 3.3                         | 6.3×11                    | 42                      | 84     |
|                                | 4.7                         | 8×9                       | 53                      | 106    |
|                                | 5.6                         | 8×11.5                    | 56                      | 112    |
|                                | 6.8                         | 8×11.5                    | 68                      | 129    |
|                                | 8.2                         | 10×9                      | 76                      | 144    |
|                                | 10                          | 10×12.5                   | 83                      | 157    |
|                                | 12                          | 10×12.5                   | 97                      | 184    |
|                                | 18                          | 10×16                     | 127                     | 241    |

| 定格電圧<br>Rated Voltage<br>(Vdc) | 静電容量<br>Capacitance<br>(μF) | 外形寸法<br>Size<br>φD×L (mm) | 定格リプル電流<br>Rated Ripple |        |
|--------------------------------|-----------------------------|---------------------------|-------------------------|--------|
|                                |                             |                           | 120Hz                   | 100kHz |
| 400                            | 1                           | 6.3×11                    | 24                      | 48     |
|                                | 1.2                         | 8×9                       | 28                      | 56     |
|                                | 1.5                         | 8×9                       | 30                      | 60     |
|                                | 1.8                         | 8×9                       | 33                      | 66     |
|                                | 2.2                         | 8×9                       | 36                      | 72     |
|                                |                             | 8×11.5                    | 40                      | 80     |
|                                | 2.7                         | 8×11.5                    | 43                      | 86     |
|                                | 3.3                         | 8×11.5                    | 47                      | 94     |
|                                |                             | 10×9                      | 48                      | 96     |
|                                | 3.9                         | 10×12.5                   | 57                      | 114    |
| 450                            | 4.7                         | 10×12.5                   | 61                      | 122    |
|                                | 6.8                         | 10×16                     | 85                      | 161    |
|                                | 1                           | 6.3×11                    | 24                      | 48     |
|                                | 1.5                         | 8×9                       | 30                      | 60     |
|                                | 1.8                         | 8×11.5                    | 38                      | 76     |
|                                | 2.2                         | 10×9                      | 40                      | 80     |
|                                | 2.7                         | 10×9                      | 42                      | 84     |
|                                | 3.3                         | 10×12.5                   | 52                      | 104    |
|                                | 4.7                         | 10×16                     | 68                      | 136    |
|                                | 6.8                         | 10×20                     | 88                      | 167    |
|                                | 10                          | 12.5×20                   | 110                     | 209    |
|                                | 15                          | 12.5×25                   | 150                     | 285    |
|                                | 18                          | 12.5×25                   | 160                     | 304    |
|                                | 22                          | 16×20                     | 210                     | 378    |
|                                | 27                          | 16×25                     | 250                     | 450    |
|                                | 33                          | 16×25                     | 280                     | 504    |
|                                |                             | 18×20                     | 270                     | 486    |
|                                | 39                          | 16×31.5                   | 330                     | 561    |
|                                | 47                          | 18×25                     | 350                     | 630    |
|                                | 56                          | 18×31.5                   | 410                     | 738    |