

**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 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   | Time(hrs)         |
|  | 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.  | 6.3x11, 8x9, 10x9   | 160~400Vdc 450Vdc |
|  | 漏れ電流<br>Leakage Current   | 規格値以下<br>Not more than the specified value.   | 8x11.5  | 4000 3000         |
| 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

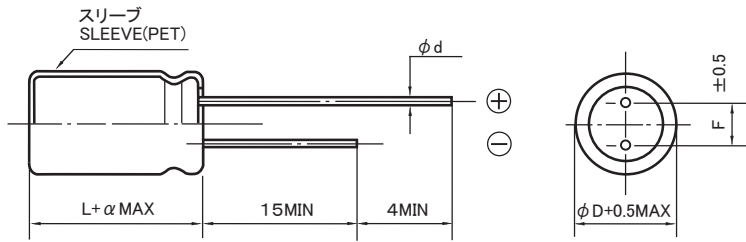
LEX  M   D x L  
 定格電圧 シリーズ名 静電容量 静電容量許容差 副記号 リード加工記号 ケースサイズ  
 Rated Voltage Series Capacitance Capacitance Tolerance Option Lead Forming Case Size

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

| Frequency (Hz) | 120 | 1k  | 10k | 100k ≤ |
|----------------|-----|-----|-----|--------|
| 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) |     |     |      |    |    |
|----|------|-----|-----|------|----|----|
| φD | 6.3  | 8   | 10  | 12.5 | 16 | 18 |
| φd | 0.5  | 0.6 |     | 0.8  |    |    |
| F  | 2.5  | 3.5 | 5.0 | 7.5  |    |    |
| α  | 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    |
|                                | 4.7                         | 10×12.5                   | 61                      | 122    |
|                                | 6.8                         | 10×16                     | 85                      | 161    |
| 450                            | 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    |