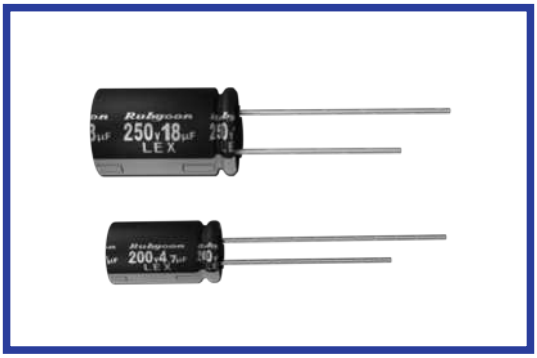
# LEX series




125℃ 3000～5000時間品
Load Life: 125℃ 3000～5000 hours

・LED照明用電源回路に最適。
For LED Lighting.

RoHS compliance

## ◆規格表／SPECIFICATIONS

| 項目　Item | 特性　Characteristics |
|---|---|
| カテゴリ温度範囲<br>Category Temperature Range | −40～+125℃ |
| 定格電圧範囲<br>Rated Voltage Range | 160～450Vdc |
| 静電容量許容差<br>Capacitance Tolerance | ±20%（20℃, 120Hz） |
| 漏れ電流<br>Leakage Current (MAX) | CV≦1000: I=0.1CV＋40μA以下(1分値) I=0.1CV＋40μA (1minute) I=0.03CV＋15μA以下(5分値) I=0.03CV＋15μA (5minutes)<br>CV＞1000: I=0.04CV＋100μA以下(1分値) I=0.04CV＋100μA (1minute) I=0.02CV＋25μA以下(5分値) I=0.02CV＋25μA (5minutes)<br>I＝漏れ電流(μA) Leakage Current<br>C＝静電容量(μF) Capacitance<br>V＝定格電圧(Vdc) Rated Voltage |
| 損失角の正接(tanδ)<br>Dissipation Factor (MAX) | (20℃, 120Hz) |

| 定格電圧 (Vdc) Rated Voltage | 160 | 200 | 250 | 400 | 450 |
|---|---|---|---|---|---|
| tanδ | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 |

耐久性
Endurance

125℃中で右表の時間定格電圧(リプル重畳)印加後、下記項目を満足すること。
After applying rated voltage with rated ripple current for specified time at 125℃, 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. |
| 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. |
| 漏れ電流<br>Leakage Current | 規格値以下<br>Not more than the specified value. |

| ケースサイズ Case Size | Time(hrs) 160～400Vdc | Time(hrs) 450Vdc |
|---|---|---|
| 6.3x11, 8x9, 10x9 | 4000 | 3000 |
| 8x11.5 | 5000 | 3000 |
| 10x12.5,10x16,10x20 φD≧12.5 | 5000 | 5000 |

低温特性
Low Temperature Stability
（インピーダンス比）
Impedance Ratio (MAX)

(120Hz)

| 定格電圧 (Vdc) Rated Voltage | 160 | 200 | 250 | 400 | 450 |
|---|---|---|---|---|---|
| Z(−25℃)/Z(+20℃) | 3 | 3 | 6 | 6 | 6 |
| Z(−40℃)/Z(+20℃) | 8 | 8 | 10 | 12 | 12 |

## ◆呼称方法／PART NUMBER

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

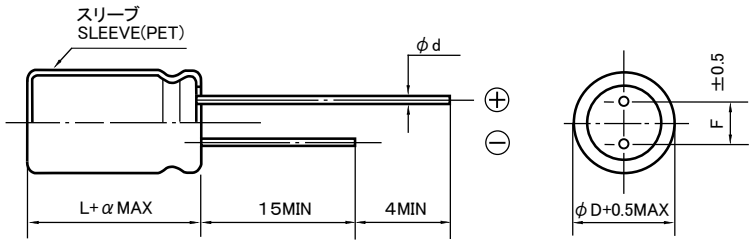
## ◆リプル電流補正係数／MULTIPLIER FOR RIPPLE CURRENT

| Frequency (Hz) | | 120 | 1k | 10k | 100k≦ |
|---|---|---|---|---|---|
| 係数 Coefficient | 1～5.6μF | 1.0 | 1.6 | 1.8 | 2.0 |
| | 6.8～18μF | 1.0 | 1.5 | 1.7 | 1.9 |
| | 22～56μF | 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℃)

| 定格電圧 Rated Voltage (Vdc) | 静電容量 Capacitance (μF) | 外形寸法 Size φD×L (mm) | 定格リプル電流 Rated Ripple 120Hz | 定格リプル電流 Rated Ripple 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 Rated Voltage (Vdc) | 静電容量 Capacitance (μF) | 外形寸法 Size φD×L (mm) | 定格リプル電流 Rated Ripple 120Hz | 定格リプル電流 Rated Ripple 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 |