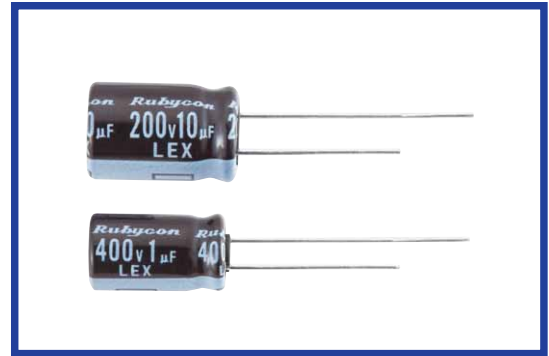


LEX SERIES

Load Life: 125°C 4000~5000 hours

◆FEATURES

- Ultra Long Life.
- For LED Lighting.
- RoHS compliance.



◆SPECIFICATIONS

| Items | Characteristics | | | | | | | | | | | | | | | | |
|--|---|---|---------------------|-----------------|-------------------|------|------------------------|------------------|------|------|------|------|------------------|---|---|----|----|
| Category Temperature Range | -40~+125°C | | | | | | | | | | | | | | | | |
| Rated Voltage Range | 160~400Vdc | | | | | | | | | | | | | | | | |
| Capacitance Tolerance | ±20% (20°C, 120Hz) | | | | | | | | | | | | | | | | |
| Leakage Current(MAX) | CV ≤ 1000 | CV > 1000 | | | | | | | | | | | | | | | |
| | I=0.1CV+40µA (1minute) I=0.03CV+15µA (5minutes) | I=0.04CV+100µA (1minute) I=0.02CV+25µA (5minutes) | | | | | | | | | | | | | | | |
| I=Leakage Current(µA) C=Capacitance(µF) V=Rated Voltage(Vdc) | | | | | | | | | | | | | | | | | |
| (tanδ) Dissipation Factor(MAX) | <table border="1"> <thead> <tr> <th>Rated Voltage (Vdc)</th> <th>160</th> <th>200</th> <th>250</th> <th>400</th> </tr> </thead> <tbody> <tr> <td>tanδ</td> <td>0.24</td> <td>0.24</td> <td>0.24</td> <td>0.24</td> </tr> </tbody> </table> (20°C, 120Hz) | | Rated Voltage (Vdc) | 160 | 200 | 250 | 400 | tanδ | 0.24 | 0.24 | 0.24 | 0.24 | | | | | |
| Rated Voltage (Vdc) | 160 | 200 | 250 | 400 | | | | | | | | | | | | | |
| tanδ | 0.24 | 0.24 | 0.24 | 0.24 | | | | | | | | | | | | | |
| Endurance | After applying rated voltage with rated ripple current for specified time at 125°C, the capacitors shall meet the following requirements. | | | | | | | | | | | | | | | | |
| | Capacitance Change | Within ±30% of the initial value. | | | | | | | | | | | | | | | |
| | Dissipation Factor | Not more than 300% of the specified value. | | | | | | | | | | | | | | | |
| Leakage Current | | Not more than the specified value. | | | | | | | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th>Case Size</th> <th>Life Time (hrs)</th> </tr> </thead> <tbody> <tr> <td>6.3×11, 8×9, 10×9</td> <td>4000</td> </tr> <tr> <td>8×11.5, 10×12.5, 10×16</td> <td>5000</td> </tr> </tbody> </table> | Case Size | Life Time (hrs) | 6.3×11, 8×9, 10×9 | 4000 | 8×11.5, 10×12.5, 10×16 | 5000 | | | | | | | | | |
| Case Size | Life Time (hrs) | | | | | | | | | | | | | | | | |
| 6.3×11, 8×9, 10×9 | 4000 | | | | | | | | | | | | | | | | |
| 8×11.5, 10×12.5, 10×16 | 5000 | | | | | | | | | | | | | | | | |
| Low Temperature Stability Impedance Ratio(MAX) | <table border="1"> <thead> <tr> <th>Rated Voltage (Vdc)</th> <th>160</th> <th>200</th> <th>250</th> <th>400</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>3</td> <td>6</td> <td>6</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>8</td> <td>8</td> <td>10</td> <td>12</td> </tr> </tbody> </table> (120Hz) | | Rated Voltage (Vdc) | 160 | 200 | 250 | 400 | Z(-25°C)/Z(20°C) | 3 | 3 | 6 | 6 | Z(-40°C)/Z(20°C) | 8 | 8 | 10 | 12 |
| | Rated Voltage (Vdc) | 160 | 200 | 250 | 400 | | | | | | | | | | | | |
| | Z(-25°C)/Z(20°C) | 3 | 3 | 6 | 6 | | | | | | | | | | | | |
| Z(-40°C)/Z(20°C) | 8 | 8 | 10 | 12 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

◆MULTIPLIER FOR RIPPLE CURRENT

| Frequency (Hz) | | 120 | 1k | 10k | 100k ≤ |
|----------------|----------|-----|-----|-----|--------|
| Coefficient | 1~5.6µF | 1.0 | 1.6 | 1.8 | 2.0 |
| | 6.8~18µF | 1.0 | 1.5 | 1.7 | 1.9 |
| | 22~33µF | 1.0 | 1.4 | 1.6 | 1.8 |

◆OPTION

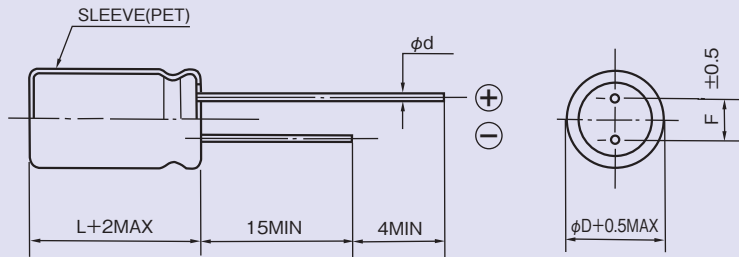
| | Code |
|------------|------|
| PET Sleeve | EFC |

◆PART NUMBER

□□□ LEX □□□□□ M □□□ □□ D×L
 Rated Voltage Series Capacitance Capacitance Tolerance Option Lead Forming Case Size

◆ DIMENSIONS

(mm)



| | | | |
|----------|-----|-----|----|
| ϕD | 6.3 | 8 | 10 |
| ϕd | 0.5 | 0.6 | |
| F | 2.5 | 3.5 | 5 |

◆ STANDARD SIZE

| Rated Voltage (Vdc) | Capacitance (μF) | Size $\phi D \times L$ (mm) | Rated Ripple Current (mA r.m.s., 125°C) | |
|---------------------|-------------------------|-----------------------------|---|--------|
| | | | 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 |

| Rated Voltage (Vdc) | Capacitance (μF) | Size $\phi D \times L$ (mm) | Rated Ripple Current (mA r.m.s., 125°C) | |
|---------------------|-------------------------|-----------------------------|---|--------|
| | | | 120Hz | 100kHz |
| 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 |
| 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 |