

CFX series

105°C 5000時間品
Load Life : 105°C 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 Category Temperature Range | -25~+105°C | |
| 定格電圧範囲 Rated Voltage Range | 160~450Vdc | |
| 静電容量許容差 Capacitance Tolerance | ±20%(20°C, 120Hz) | |
| 漏れ電流 Leakage Current (MAX) | CV ≤ 1000 | CV > 1000 |
| | I=0.1CV+40 µA以下(1分値) I=0.1CV+40 µA (1minute) I=0.03CV+15 µA以下(5分値) I=0.03CV+15 µA (5minutes) | I=0.04CV+100 µA以下(1分値) I=0.04CV+100 µA (1minute) I=0.02CV+25 µA以下(5分値) I=0.02CV+25 µA (5minutes) |
| I=漏れ電流(µA) Leakage Current C=静電容量(µF) Capacitance V=定格電圧(Vdc) Rated Voltage | | |
| 損失角の正接 (tan δ) Dissipation Factor (MAX) | 定格電圧 (Vdc) Rated Voltage | 160 200 250 350 400 450 (20°C, 120Hz) |
| | tan δ | 0.15 0.15 0.15 0.20 0.20 0.20 |
| 耐久性 Endurance | 105°C中で5000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。 After applying rated voltage with rated ripple current for 5000hours at 105°C, the capacitors shall meet the following requirements. | |
| | 静電容量変化率 Capacitance Change | 初期値の ±20% 以内 Within ±20% of the initial value. |
| | 損失角の正接 Dissipation Factor | 規格値の 200% 以下 Not more than 200% of the specified value. |
| 漏れ電流 Leakage Current | 規格値以下 Not more than the specified value. | |
| 低温特性 Low Temperature Stability (インピーダンス比) Impedance Ratio (MAX) | 定格電圧 (Vdc) Rated Voltage | 160 200 250 350 400 450 (120Hz) |
| | Z(-25°C)/Z(+20°C) | 3 3 3 6 6 6 |

◆呼称方法 / PART NUMBER

CFX 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

| 周波数 (Hz) Frequency | | 120 | 1k | 10k | 100k ≤ |
|-----------------------|------------|-----|-----|-----|--------|
| 係数 Coefficient | 2.2~4.7 µF | 0.2 | 0.4 | 0.8 | 1.0 |
| | 6.8~10 µF | 0.3 | 0.6 | 0.9 | 1.0 |
| | 22~100 µF | 0.5 | 0.8 | 0.9 | 1.0 |

◆副記号 / OPTION

EFC : PETスリーブ PET Sleeve

◆寸法図／DIMENSIONS



(mm)

| | | | |
|----------|-----|------|-----|
| ϕD | 10 | 12.5 | 16 |
| ϕd | 0.6 | | 0.8 |
| F | 5.0 | | 7.5 |

◆標準品一覧表／STANDARD SIZE

Rated Ripple Current (mA r.m.s./105°C, 100kHz)

| 定格電圧 Rated Voltage (Vdc) | 静電容量 Capacitance (μF) | 外形寸法 Size $\phi D \times L$ (mm) | 定格リプル電流 Rated Ripple Current |
|--------------------------------|------------------------------------|--|---------------------------------|
| 160 | 27 | 10×12.5 | 601 |
| 200 | 10 | 10×16 | 300 |
| | 22 | 10×12.5 | 595 |
| | | 10×16 | 360 |
| | 33 | 10×20 | 500 |
| | 47 | 12.5×20 | 660 |
| | 68 | 12.5×25 | 760 |
| | 100 | 16×25 | 1120 |
| 250 | 6.8 | 10×12.5 | 340 |
| | 10 | 10×16 | 300 |
| | 15 | 10×12.5 | 468 |
| | 22 | 10×20 | 500 |
| | 33 | 12.5×20 | 600 |
| | 47 | 12.5×25 | 720 |
| | 68 | 16×25 | 920 |

| 定格電圧 Rated Voltage (Vdc) | 静電容量 Capacitance (μF) | 外形寸法 Size $\phi D \times L$ (mm) | 定格リプル電流 Rated Ripple Current |
|--------------------------------|------------------------------------|--|---------------------------------|
| 350 | 3.3 | 10×16 | 180 |
| | 4.7 | 10×16 | 220 |
| | 6.8 | 10×16 | 220 |
| | 10 | 10×12.5 | 400 |
| | | 10×20 | 280 |
| | 22 | 12.5×20 | 350 |
| | 33 | 12.5×25 | 430 |
| | 47 | 16×25 | 660 |
| 400 | 2.2 | 10×16 | 160 |
| | 3.3 | 10×16 | 180 |
| | 4.7 | 10×16 | 220 |
| | 6.8 | 10×16 | 220 |
| | 8.2 | 10×12.5 | 330 |
| | 10 | 10×20 | 280 |
| | 22 | 12.5×25 | 430 |
| | 33 | 16×25 | 640 |
| 450 | 3.3 | 10×12.5 | 307 |