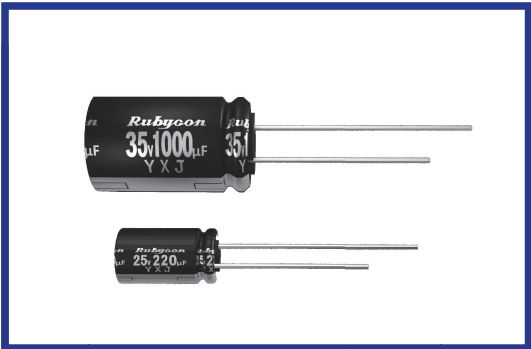


YXJ series

105°C 4000~10000時間品 小形化 長寿命品
Load Life : 105°C 4000~10000 hours. Miniaturized, Long Life



◆規格表/SPECIFICATIONS

| 項目 Item | 特性 Characteristics | |
|--|---|--|
| カテゴリ温度範囲 Category Temperature Range | -40~+105°C | |
| 定格電圧範囲 Rated Voltage Range | 6.3~100Vdc | |
| 静電容量許容差 Capacitance Tolerance | ±20%(20°C, 120Hz) | |
| 漏れ電流 Leakage Current (MAX) | I=0.01CV又は3μAのいずれか大なる値以下(定格電圧印加2分後) I=0.01CV or 3μA whichever is greater. (After 2 minutes) I=漏れ電流(μA) C=静電容量(μF) V=定格電圧(Vdc) Leakage Current Capacitance Rated Voltage | |
| 損失角の正接(tan δ) Dissipation Factor (MAX) | 定格電圧(Vdc) Rated Voltage | 6.3 10 16 25 35 50 63 100 (20°C, 120Hz) |
| | tan δ | 0.22 0.19 0.16 0.14 0.12 0.10 0.09 0.08 |
| 1000μFを越えるものは1000μF増す毎に上表の値に0.02を加えた値とする。 When capacitance is over 1000μF, tan δ shall be added 0.02 to the listed value with increase of every 1000μF. | | |
| 耐久性 Endurance | 105°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。 After applying rated voltage with rated ripple current for specified time at 105°C, the capacitors shall meet the following requirements. | |
| | 静電容量変化率 Capacitance Change | 初期値の±25%以内(6.3Vdc: ±30%) Within ±25% of the initial value(6.3Vdc: ±30%) |
| | 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. |
| | ケースサイズ Case Size | 時間(hrs) Time(hrs) |
| | φD=5 | 6.3~10Vdc 4000 16~100Vdc 5000 |
| | φD=6.3,8 | 6000 7000 |
| | φD≥10 | 8000 10000 |
| 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 | 6.3 10 16 25 35 50 63 100 (120Hz) |
| | Z(-25°C)/Z(+20°C) | 4 3 2 2 2 2 2 2 |
| | Z(-40°C)/Z(+20°C) | 8 6 4 3 3 3 3 3 |

◆呼称方法/PART NUMBER

□□□ YXJ □□□□□ M □□□ □□ D×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

◆副記号/OPTION

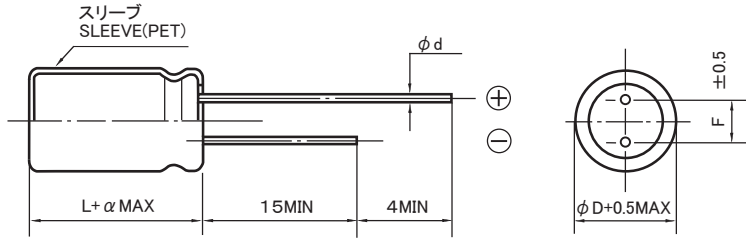
標準品はブランクとなります。Standard item is blank.

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

| | | 6.3~50Vdc | | | |
|-------------------|--------------|-----------|------|------|-------|
| Frequency (Hz) | | 120 | 1k | 10k | 100k≤ |
| 係数 Coefficient | 1μF | 0.35 | 0.60 | 0.80 | 1.00 |
| | 2.2~10μF | 0.42 | 0.60 | 0.80 | 1.00 |
| | 22~47μF | 0.55 | 0.75 | 0.90 | 1.00 |
| | 100~330μF | 0.70 | 0.85 | 0.95 | 1.00 |
| | 470~1000μF | 0.75 | 0.90 | 0.98 | 1.00 |
| | 2200~15000μF | 0.80 | 0.95 | 1.00 | 1.00 |

| | | 63~100Vdc | | | |
|----------------|-----------|-----------|------|------|-------|
| Frequency (Hz) | | 120 | 1k | 10k | 100k≤ |
| Coefficient | 63~100Vdc | 0.42 | 0.60 | 0.80 | 1.00 |

◆寸法図／DIMENSIONS



| φD | 5 | 6.3 | 8 | 10 | 12.5 | 16 |
|----|-----------------------------------|-----|-----|-----|------|-----|
| φd | 0.5 | | 0.6 | | | 0.8 |
| F | 2.0 | 2.5 | 3.5 | 5.0 | | 7.5 |
| α | L ≤ 16 : α = 1.5 L ≥ 20 : α = 2.0 | | | | | |

(mm)

◆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 φDxL (mm) | 定格リプル 電流 Rated Ripple Current | インピーダンス(Ω MAX) Impedance | |
|--------------------------------|-----------------------------|---------------------------|--|-----------------------------|---------------|
| | | | | 20°C, 100kHz | -10°C, 100kHz |
| 6.3 | 100 | 5×11 | 150 | 0.90 | 3.6 |
| | 220 | 5×11 | 250 | 0.40 | 1.2 |
| | 330 | 6.3×11 | 340 | 0.22 | 0.87 |
| | 470 | 6.3×11 | 400 | 0.22 | 0.87 |
| | 1000 | 8×11.5 | 640 | 0.13 | 0.52 |
| | 2200 | 10×16 | 1300 | 0.062 | 0.25 |
| | 3300 | 10×20 | 1400 | 0.046 | 0.18 |
| | 4700 | 12.5×25 | 2230 | 0.032 | 0.11 |
| | 6800 | 12.5×25 | 2230 | 0.032 | 0.11 |
| | 10000 | 16×25 | 2930 | 0.021 | 0.060 |
| 10 | 100 | 5×11 | 150 | 0.90 | 3.6 |
| | 220 | 5×11 | 250 | 0.40 | 1.2 |
| | 330 | 6.3×11 | 400 | 0.22 | 0.87 |
| | 470 | 6.3×11 | 400 | 0.22 | 0.87 |
| | 1000 | 10×12.5 | 865 | 0.08 | 0.32 |
| | 2200 | 10×20 | 1400 | 0.046 | 0.18 |
| | 3300 | 12.5×20 | 1900 | 0.041 | 0.14 |
| | 4700 | 12.5×25 | 2230 | 0.032 | 0.11 |
| | 6800 | 16×25 | 2930 | 0.021 | 0.060 |
| | 10000 | 16×31.5 | 3450 | 0.019 | 0.056 |
| 16 | 47 | 5×11 | 250 | 0.40 | 1.2 |
| | 100 | 5×11 | 250 | 0.40 | 1.2 |
| | 220 | 6.3×11 | 400 | 0.22 | 0.87 |
| | 330 | 6.3×11 | 400 | 0.22 | 0.87 |
| | 470 | 8×11.5 | 640 | 0.13 | 0.52 |
| | 1000 | 10×16 | 1210 | 0.062 | 0.25 |
| | 2200 | 12.5×20 | 1900 | 0.041 | 0.14 |
| | 3300 | 12.5×25 | 2230 | 0.032 | 0.11 |
| 25 | 33 | 5×11 | 250 | 0.40 | 1.2 |
| | 47 | 5×11 | 250 | 0.40 | 1.2 |
| | 100 | 5×11 | 250 | 0.40 | 1.2 |
| | 220 | 6.3×11 | 400 | 0.22 | 0.87 |
| | 330 | 8×11.5 | 640 | 0.13 | 0.52 |
| | 470 | 10×12.5 | 865 | 0.08 | 0.32 |
| | 1000 | 10×20 | 1400 | 0.046 | 0.18 |
| | 2200 | 12.5×25 | 2230 | 0.032 | 0.11 |
| | 3300 | 16×25 | 2930 | 0.021 | 0.060 |
| | 4700 | 16×31.5 | 3450 | 0.019 | 0.056 |

| 定格電圧 Rated Voltage (Vdc) | 静電容量 Capacitance (μF) | 外形寸法 Size φDxL (mm) | 定格リプル 電流 Rated Ripple Current | インピーダンス(Ω MAX) Impedance | |
|--------------------------------|-----------------------------|---------------------------|--|-----------------------------|---------------|
| | | | | 20°C, 100kHz | -10°C, 100kHz |
| 35 | 33 | 5×11 | 250 | 0.40 | 1.2 |
| | 47 | 5×11 | 250 | 0.40 | 1.2 |
| | 100 | 6.3×11 | 400 | 0.22 | 0.87 |
| | 220 | 8×11.5 | 640 | 0.13 | 0.52 |
| | 330 | 10×12.5 | 865 | 0.08 | 0.32 |
| | 470 | 10×16 | 1210 | 0.062 | 0.25 |
| | 1000 | 12.5×20 | 1900 | 0.041 | 0.14 |
| | 2200 | 16×25 | 2930 | 0.021 | 0.060 |
| | 3300 | 16×31.5 | 3450 | 0.019 | 0.056 |
| | 50 | 1 | 5×11 | 30 | 4.0 |
| 2.2 | | 5×11 | 43 | 2.5 | 6.0 |
| 3.3 | | 5×11 | 53 | 2.2 | 5.6 |
| 4.7 | | 5×11 | 88 | 1.9 | 5.0 |
| 10 | | 5×11 | 100 | 1.5 | 4.0 |
| 22 | | 5×11 | 180 | 0.7 | 2.8 |
| 33 | | 5×11 | 250 | 0.7 | 2.8 |
| 47 | | 6.3×11 | 295 | 0.3 | 1.2 |
| 100 | | 8×11.5 | 555 | 0.17 | 0.68 |
| 220 | | 10×16 | 1050 | 0.084 | 0.34 |
| 63 | 330 | 10×20 | 1220 | 0.06 | 0.24 |
| | 470 | 12.5×20 | 1660 | 0.045 | 0.15 |
| | 1000 | 16×25 | 2730 | 0.032 | 0.096 |
| | 2200 | 16×35.5 | 3150 | 0.019 | 0.057 |
| | 10 | 5×11 | 173 | 0.88 | 3.5 |
| | 22 | 5×11 | 173 | 0.88 | 3.5 |
| | 33 | 6.3×11 | 278 | 0.35 | 1.4 |
| | 47 | 6.3×11 | 278 | 0.35 | 1.4 |
| | 100 | 10×12.5 | 725 | 0.15 | 0.60 |
| | 220 | 10×20 | 1200 | 0.078 | 0.31 |
| 100 | 330 | 12.5×20 | 1570 | 0.06 | 0.19 |
| | 470 | 12.5×25 | 1990 | 0.043 | 0.14 |
| | 1000 | 16×25 | 2730 | 0.032 | 0.096 |
| | 1 | 5×11 | 20 | 4.5 | 15.0 |
| | 2.2 | 5×11 | 30 | 3.0 | 13.0 |
| | 3.3 | 5×11 | 40 | 2.7 | 11.0 |
| | 4.7 | 5×11 | 65 | 2.5 | 10.0 |
| | 10 | 6.3×11 | 267 | 0.57 | 2.3 |
| | 22 | 6.3×11 | 267 | 0.57 | 2.3 |
| | 33 | 8×11.5 | 462 | 0.36 | 1.4 |
| 47 | 8×16 | 585 | 0.25 | 1.0 | |
| 100 | 10×20 | 1040 | 0.12 | 0.52 | |
| 220 | 12.5×25 | 1620 | 0.06 | 0.23 | |
| 330 | 16×25 | 2210 | 0.044 | 0.16 | |

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