

- Surge-proof capacitor in aluminium can with insulation sleeve
- Snap in terminals for PCB mounting.
- Design optimized for high ripple current applications

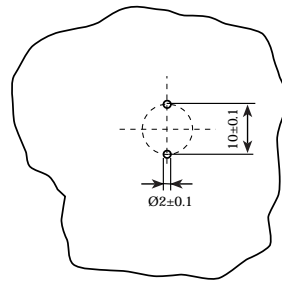
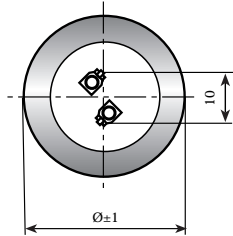
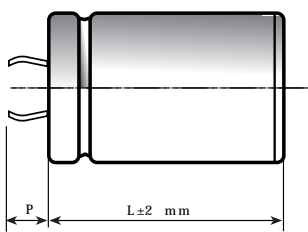
APPLICATIONS

Designed for professional application. Ultra compact UPS, Solar inverters, High ripple current converters, Motor drives.

Dimensions in mm.

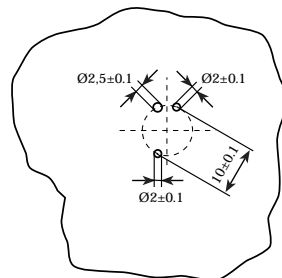
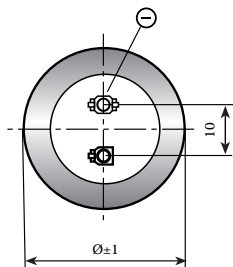
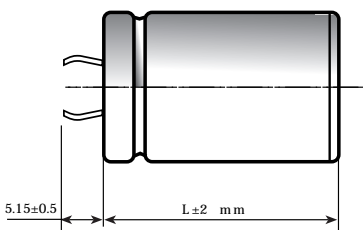
Circuit board hole dimensions

2 PIN CAPACITOR

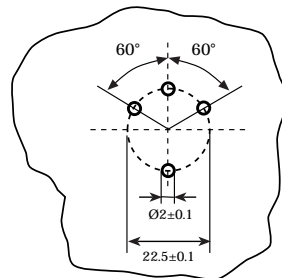
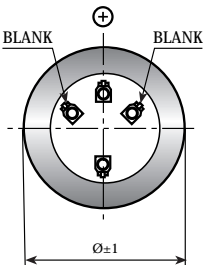
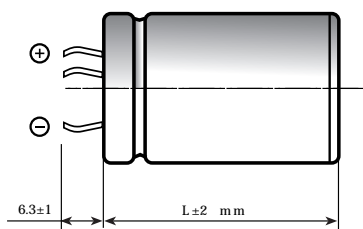


PIN LENGTH
 P 4.5 short pin
 P 6.3 long pin (standard)

3 PIN CAPACITOR



4 PIN CAPACITOR



| Ø | 22 | 25 | 30 | 35 | 40 | 45 | 50 |
|--------|----|----|----|----|----|----|----|
| 2 PINS | ● | ● | ● | ● | ● | | |
| 3 PINS | | ● | ● | ● | | | |
| 4 PINS | | | | ● | ● | ● | ● |

On demand, only for capacitors with diam ≥ 35mm: octagonal can shape for long stress vibration applications

SPECIFICATIONS

| | | |
|--|---|---|
| Temperature Range | Operating: -40°C +85°C Storage : Preferably below +25°C, not exceeding +40°C | [Environmental classification 40/85/56 IEC-68] |
| Rated Voltage Range (V_r) | from 400V to 450V DC | |
| Surge Voltage (V_p) | $V_p = 1.10 V_r$ | |
| Rated Capacitance Range | from 1000 μ F to 2700 μ F | |
| Capacitance Tolerance | $\pm 20\%$ at 100 Hz, 20°C [M class IEC-62] on request: -10% +30% at 100 Hz, 20°C [Q class IEC-62] | |
| Leakage Current (I_L) (mA, 5 min, 20°C) | max $I_L = 0.006 C_r V_r + 4 \mu$ A At 85°C max $I_L = 0.04 C_r V_r \mu$ A | Kendeil product limit: $I_L = 0.003 C_r V_r$ |
| Ripple current (I_r) | Refer to table at 85°C and 100Hz: | |
| | FREQUENCY | 50Hz 100Hz 500 Hz 1000Hz >10kHz |
| | MULTIPLIER | 0.88 1.0 1.45 1.50 1.55 |
| | AMBIENT TEMP. | 35°C 45°C 55°C 65°C 75°C 85°C 95°C |
| | MULTIPLIER | 2.2 2.1 1.8 1.6 1.4 1.0 0.5 |
| | Maximum internal temperature | 98°C |
| Insulation Resistance | At 100V DC for 1 min is >100 M Ω across insulating sleeve and terminals. | |
| Vibration Resistance | Frequency range: 10 Hz to 500 Hz, amplitude 0.75 mm max acceleration 10g for 3x2 h | |
| Life test | After 2,000 hours application of rated voltage at 85°C capacitors meet characteristics aside | Cap change $\leq 10\%$ $\tan \delta \leq 130\%$ Leakage current (I_L) < initial limit Impedance (Z) $\leq 200\%$ |
| Shelf life | After leaving capacitors under no load for 500 hours at 85°C, when restored at 20°C meet specifications aside | Cap change $\leq \pm 15\%$ $\tan \delta \leq 150\%$ Leakage current (I_L) < initial limit |
| Useful life (V_n , Temp rated I ripple applied) | > 200000 h at 40°C > 12000 h at 85°C | |
| Failure percentage Failure rate | $\leq 1\%$ (during useful life) ≤ 33 fit ($33 \cdot 10^{-9}/h$) | |
| Self inductance | Approx. 20 nH | |
| Reference standards | CECC 30.300 - IEC 60384-4 LONG LIFE GRADE | |

K26 TYPE STANDARD RATINGS

| Cap μF | $\varnothing \times L$ mm | Tan δ MAX 100 Hz 20°C | ESR TYP m Ω 100 Hz 20°C | Z TYP m Ω 10 kHz 20°C | Ir a.c. A max 100 Hz 85°C | PART NUMBER termination digit excluded |
|----------------------|------------------------------|---------------------------------------|---|---------------------------------------|------------------------------------|--|
| 1000 | 40x60 | 0.12 | 99 | 74 | 5.1 | K26400102_PM0F060 |
| 1200 | 40x77 | 0.12 | 94 | 64 | 5.2 | K26400122_PM0F077 |
| 1500 | 45x60 | 0.12 | 84 | 61 | 5.4 | K26400152_PM0N060 |
| 1800 | 45x77 | 0.12 | 70 | 51 | 6.2 | K26400182_PM0N077 |
| 1800 | 50x60 | 0.10 | 70 | 51 | 6.5 | K26400182_PM0V060 |
| 2000 | 40x105 | 0.12 | 61 | 44 | 7.6 | K26400202_PM0F105 |
| 2200 | 45x105 | 0.13 | 47 | 40 | 7.8 | K26400222_PM0N105 |
| 2200 | 50x77 | 0.10 | 47 | 40 | 7.6 | K26400222_PM0V077 |
| 2700 | 45x105 | 0.13 | 46 | 39 | 9.2 | K26400272_PM0N105 |
| 3300 | 50x105 | 0.10 | 37 | 30 | 10.2 | K26400332_PM0V105 |

RATED
VOLTAGE
VDC

400V

| Cap μF | $\varnothing \times L$ mm | Tan δ MAX 100 Hz 20°C | ESR TYP m Ω 100 Hz 20°C | Z TYP m Ω 10 kHz 20°C | Ir a.c. A max 100 Hz 85°C | PART NUMBER termination digit excluded |
|----------------------|------------------------------|---------------------------------------|---|---------------------------------------|------------------------------------|--|
| 1000 | 40x60 | 0.11 | 99 | 74 | 5.1 | K26420102_PM0F060 |
| 1200 | 40x77 | 0.11 | 94 | 64 | 5.2 | K26420122_PM0F077 |
| 1200 | 45x60 | 0.11 | 94 | 64 | 5.2 | K26420122_PM0N060 |
| 1500 | 40x105 | 0.12 | 75 | 55 | 6.3 | K26420152_PM0F105 |
| 1500 | 45x77 | 0.12 | 75 | 55 | 5.6 | K26420152_PM0N077 |
| 1500 | 50x60 | 0.10 | 75 | 55 | 5.7 | K26420152_PM0V060 |
| 1800 | 50x77 | 0.10 | 67 | 50 | 6.9 | K26420182_PM0V077 |
| 2200 | 45x105 | 0.13 | 47 | 40 | 7.8 | K26420222_PM0N105 |
| 2700 | 50x105 | 0.10 | 37 | 30 | 9.5 | K26420272_PM0V105 |

RATED
VOLTAGE
VDC

420V

| Cap μF | $\varnothing \times L$ mm | Tan δ MAX 100 Hz 20°C | ESR TYP m Ω 100 Hz 20°C | Z TYP m Ω 10 kHz 20°C | Ir a.c. A max 100 Hz 85°C | PART NUMBER termination digit excluded |
|----------------------|------------------------------|---------------------------------------|---|---------------------------------------|------------------------------------|--|
| 1000 | 40x60 | 0.11 | 99 | 74 | 5.1 | K26450102_PM0F060 |
| 1200 | 40x77 | 0.11 | 94 | 64 | 5.2 | K26450122_PM0F077 |
| 1200 | 45x60 | 0.11 | 94 | 64 | 5.2 | K26450122_PM0N060 |
| 1500 | 40x105 | 0.12 | 75 | 55 | 6.3 | K26450152_PM0F105 |
| 1500 | 45x77 | 0.12 | 75 | 55 | 5.6 | K26450152_PM0N077 |
| 1500 | 50x60 | 0.10 | 75 | 55 | 5.7 | K26450152_PM0V060 |
| 1800 | 50x77 | 0.10 | 67 | 50 | 6.9 | K26450182_PM0V077 |
| 2200 | 45x105 | 0.13 | 47 | 40 | 7.8 | K26450222_PM0N105 |
| 2700 | 50x105 | 0.10 | 37 | 30 | 9.5 | K26450272_PM0V105 |

RATED
VOLTAGE
VDC

450V

PLEASE TO CONTACT OUR TECHNICAL SERVICE FOR MORE INFORMATION OR SPEC-IN ANALYSIS.