

LARGE ALUMINUM ELECTROLYTIC CAPACITORS



JK For Printer system

- For printer system
- No sparks DC overvoltage



| Item | Characteristics | | |
|--|--|-----------------------------------|------|
| Operating temperature range | WV < 350 : -40 ~ +105°C, WV ≥ 350 : -25 ~ +105°C | | |
| Capacitance tolerance | ±20% at 120Hz, 20°C | | |
| Leakage current max. | $I=3\sqrt{CV}$ (µA) (after 5 minutes) | | |
| Dissipation factor max. (120Hz, 20°C) | WV | 250, 400 | 450 |
| | tanδ | 0.15 | 0.20 |
| Load life (after application of the rated voltage for 2000 hours at 105°C) | Leakage current | Less than specified value | |
| | Capacitance change | Within ±20% of initial value | |
| | tanδ | Less than 200% of specified value | |
| Shelf life (at 105°C) | After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4 | | |

● DRAWING (See page 183)

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

| WV µF | 250 | | | 400 | | | 450 | | |
|----------|-------------------|-----------------|-----------------|---|-----------------|-----------------|-------------------|-----------------|-----------------|
| | 25.4 | 30 | 35 | 25.4 | 30 | 35 | 25.4 | 30 | 35 |
| 82 | | | | 25.4 × 25 0.53 | 30 × 20 0.54 | | 25.4 × 25 0.53 | 30 × 20 0.54 | |
| 100 | | | | 25.4 × 30 0.62 | 30 × 20 0.60 | | 25.4 × 25 0.58 | 30 × 25 0.64 | |
| 120 | | | | 25.4 × 30 0.68 | 30 × 25 0.70 | | 25.4 × 30 0.67 | 30 × 25 0.74 | |
| 150 | 25.4 × 20 0.69 | | | 25.4 × 35 0.81 | 30 × 30 0.83 | | 25.4 × 35 0.85 | 30 × 30 0.88 | 35 × 25 0.85 |
| 180 | 25.4 × 20 0.76 | 30 × 20 0.83 | | 25.4 × 40 0.93 | 30 × 30 0.91 | 35 × 25 0.93 | 25.4 × 40 0.97 | 30 × 30 0.96 | 35 × 30 0.98 |
| 220 | 25.4 × 25 0.90 | 30 × 20 0.92 | | 25.4 × 45 1.07 | 30 × 35 1.05 | 35 × 30 1.08 | 25.4 × 50 1.32 | 30 × 30 1.40 | 35 × 30 1.43 |
| 270 | 25.4 × 30 1.06 | 30 × 25 1.09 | | 25.4 × 50 1.24 | 30 × 40 1.23 | 35 × 30 1.20 | | 30 × 35 1.43 | 35 × 35 1.45 |
| 330 | 25.4 × 30 1.18 | 30 × 25 1.21 | | | 30 × 45 1.42 | 35 × 35 1.40 | | 30 × 45 1.48 | 35 × 35 1.49 |
| 390 | 25.4 × 35 1.42 | 30 × 30 1.39 | 35 × 25 1.42 | | 30 × 50 1.61 | 35 × 40 1.59 | | | 35 × 40 1.59 |
| 470 | 25.4 × 35 1.48 | 30 × 30 1.53 | 35 × 25 1.56 | | | 35 × 45 1.82 | | | 35 × 50 1.89 |
| 560 | 25.4 × 40 1.65 | 30 × 30 1.67 | 35 × 25 1.72 | | | 35 × 50 2.06 | | | |
| 680 | | 30 × 35 2.12 | 35 × 35 2.09 | | | | | | |
| 820 | | 30 × 40 2.23 | 35 × 40 2.40 | | | | | | |
| 1000 | | | 35 × 45 2.76 | | | | | | |
| 1200 | | | 35 × 45 2.91 | | | | | | |
| 1500 | | | 35 × 45 3.13 | ← Case size ØD × L (mm) ← Ripple current (A rms) at 105°C, 120Hz | | | | | |

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

| WV | Frequency | 50Hz | 120Hz | 300Hz | 1kHz | 10kHz ≤ |
|----------|-----------|------|-------|-------|------|---------|
| 250 | | 0.85 | 1.00 | 1.20 | 1.25 | 1.45 |
| 400, 450 | | 0.85 | 1.00 | 1.15 | 1.20 | 1.40 |