

# 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