

LARGE ALUMINUM ELECTROLYTIC CAPACITORS

JY Snap-in Terminal Type, Long Life Series

- Load life of 10000 hours at 105°C
- Voltage range of 400 ~ 450V
- Suited for use in industrial power supplies where high reliability
- Complied to the RoHS directive



Item	Characteristics		
Operating temperature range	-25 ~ +105°C		
Capacitance tolerance	±20% at 120Hz, 20°C		
Leakage current max.	$I=3\sqrt{CV}$ (µA) (after 5 minutes)		
Dissipation factor max. (at 120Hz, 20°C)	Capacitance > 1000µF : tanδ increases by 0.01 for each 1000µF from below value.		
	WV	400	450
	tanδ	0.15	0.20
Load life (after application of the rated voltage for 10000 hours at 105°C)	Leakage current	Less than specified value	
	Capacitance change	Within ±30% of initial value	
	tanδ	Less than 300% 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	400				450			
	22	25.4	30	35	22	25.4	30	35
47					22 × 25 0.38			
56	22 × 20 0.39				22 × 30 0.45	25.4 × 20 0.43		
68	22 × 25 0.46	25.4 × 20 0.48			22 × 30 0.52	25.4 × 25 0.51		
82	22 × 30 0.54	25.4 × 25 0.53			22 × 35 0.60	25.4 × 30 0.59	30 × 20 0.57	
100	22 × 30 0.60	25.4 × 25 0.62			22 × 40 0.69	25.4 × 30 0.69	30 × 25 0.67	
120	22 × 35 0.69	25.4 × 30 0.72	30 × 25 0.69			25.4 × 35 0.79	30 × 30 0.74	
150	22 × 40 0.84	25.4 × 30 0.84	30 × 25 0.82			25.4 × 40 0.92	30 × 35 0.91	35 × 25 0.89
180		25.4 × 35 0.97	30 × 30 0.95	35 × 25 0.92			30 × 35 1.04	35 × 30 1.03
220		25.4 × 40 1.11	30 × 35 1.11	35 × 25 1.08			30 × 40 1.20	35 × 35 1.19
270			30 × 40 1.28	35 × 30 1.26				35 × 40 1.37
330			30 × 45 1.47	35 × 35 1.46				35 × 45 1.58
390				35 × 40 1.65				
470				35 × 45 1.88	← 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 ≤
400, 450		0.85	1.00	1.15	1.20	1.40