

LARGE ALUMINUM ELECTROLYTIC CAPACITORS



Upgrade

JY Snap-in Terminal Type, Long Life Series

- Load life of 10000 hours at 105°C
- Voltage range of 400 ~ 500V
- 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)	WV	400	450	500
	tanδ	0.15	0.20	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 199)

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV µF	400				450				500			
	22	25.4	30	35	22	25.4	30	35	22	25.4	30	35
47					22 × 20 0.38							
56	22 × 20 0.39				22 × 20 0.45	25.4 × 20 0.43						
68	22 × 25 0.46	25.4 × 20 0.48			22 × 25 0.52	25.4 × 25 0.51			22 × 35 0.41	25.4 × 30 0.39		
82	22 × 30 0.54	25.4 × 25 0.53			22 × 30 0.60	25.4 × 30 0.59	30 × 20 0.57		22 × 40 0.47	25.4 × 35 0.46		
100	22 × 30 0.60	25.4 × 25 0.62			22 × 30 0.69	25.4 × 30 0.69	30 × 25 0.67		22 × 40 0.55	25.4 × 40 0.52	30 × 30 0.56	
120	22 × 35 0.69	25.4 × 30 0.72	30 × 25 0.69			25.4 × 35 0.79	30 × 30 0.74		22 × 45 0.61	25.4 × 45 0.59	30 × 35 0.62	
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			30 × 40 0.65	35 × 30 0.66
180		25.4 × 35 0.97	30 × 30 0.95	35 × 25 0.92			30 × 35 1.04	35 × 30 1.03			30 × 45 0.72	35 × 35 0.73
220		25.4 × 40 1.11	30 × 35 1.11	35 × 25 1.08			30 × 40 1.20	35 × 35 1.19				35 × 40 0.84
270			30 × 40 1.28	35 × 30 1.26				35 × 40 1.37				35 × 50 0.92
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 ~ 500		0.85	1.00	1.15	1.20	1.40

LARGE TYPES