

LARGE ALUMINUM ELECTROLYTIC CAPACITORS



New

JR

Snap-in Terminal Type, Long Life Series

- Long life than HF series
- Load life of 10000 hours at 85°C
- Complied to the RoHS directive



Item	Characteristics		
Operating temperature range	-25 ~ +85°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	400	450
	tanδ	0.15	0.20
Load life (after application of the rated voltage for 10000 hours at 85°C)	Leakage current	Less than specified value	
	Capacitance change	Within ±20% of initial value	
	tanδ	Less than 200% of specified value	
Shelf life (at 85°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
56	22 × 20 0.68				22 × 25 0.70	25.4 × 20 0.71		
68	22 × 20 0.75	25.4 × 20 0.74			22 × 25 0.82	25.4 × 25 0.84	30 × 20 0.97	
82	22 × 25 0.98	25.4 × 25 0.82	30 × 20 0.97		22 × 30 0.99	25.4 × 25 0.97	30 × 20 1.09	
100	22 × 25 1.14	25.4 × 25 0.94	30 × 20 1.09		22 × 30 1.09	25.4 × 25 1.12	30 × 25 1.12	
120	22 × 30 1.25	25.4 × 30 1.30	30 × 25 1.21		22 × 35 1.23	25.4 × 30 1.25	30 × 25 1.29	35 × 20 1.28
150	22 × 35 1.43	25.4 × 30 1.46	30 × 25 1.38		22 × 45 1.36	25.4 × 30 1.44	30 × 25 1.48	35 × 25 1.40
180	22 × 40 1.62	25.4 × 40 1.66	30 × 30 1.75	35 × 25 1.51		25.4 × 35 1.61	30 × 30 1.67	35 × 25 1.54
220	22 × 45 1.82	25.4 × 40 1.89	30 × 30 1.91	35 × 30 1.63		25.4 × 40 1.83	30 × 30 1.89	35 × 30 1.68
270		25.4 × 45 2.06	30 × 35 2.09	35 × 30 1.87			30 × 35 2.17	35 × 30 1.83
330		25.4 × 50 2.30	30 × 40 2.36	35 × 35 2.36			30 × 40 2.44	35 × 35 2.19
390		25.4 × 60 2.44	30 × 50 2.60	35 × 40 2.62			30 × 50 2.56	35 × 40 2.47
470			30 × 50 2.89	35 × 40 2.89				35 × 40 2.63
560				35 × 45 3.28				35 × 45 3.31
680				35 × 50 3.46	← Case size ØD × L (mm) ← Ripple current (A rms) at 85°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

LARGE TYPES