

LARGE ALUMINUM ELECTROLYTIC CAPACITORS



New



Surge Voltage Series

- Surge voltage for household appliance
- Load life at 3000 hours at 105°C
- 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	450
	tanδ	0.20
Load life (after application of the rated voltage for 3000 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 193)

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV µF	450			
	22	25.4	30	35
68	22 × 25 0.51			
82	22 × 25 0.69			
100	22 × 30 0.78	25.4 × 25 0.78		
120	22 × 35 0.86	25.4 × 30 0.88	30 × 25 0.87	
150	22 × 40 0.95	25.4 × 30 0.95	30 × 25 0.96	35 × 25 0.98
180		25.4 × 35 1.10	30 × 30 1.15	35 × 25 1.13
220		25.4 × 40 1.29	30 × 35 1.28	35 × 30 1.30
270		25.4 × 50 1.45	30 × 40 1.48	35 × 30 1.48
330			30 × 45 1.60	35 × 35 1.62
390			30 × 50 1.76	35 × 40 1.78
470				35 × 45 2.12
560				35 × 50 2.85

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 ≤
450		0.85	1.00	1.15	1.20	1.40

LARGE TYPES