

# LARGE ALUMINUM ELECTROLYTIC CAPACITORS

**New**  
**JZ**

Snap-in Terminal Type, Long Life Series

**LL**  
Long Life



- Load life of 20000 hours at 105°C
- Voltage range of 400V, 500V
- Suited for use in industrial power supplies where high reliability
- Complied to the RoHS directive

**JY** → **JZ**  
Long life

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
	tanδ	0.15	0.20
Load life (after application of the rated voltage for 20000 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 171)

## ● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV µF / ØD	400				450			
	22	25.4	30	35	22	25.4	30	35
68					22 × 30 0.49			
82	22 × 30 0.49	25 × 25 0.49			22 × 35 0.56	25 × 30 0.56	30 × 25 0.59	
100	22 × 35 0.56	25 × 30 0.56	30 × 25 0.65		22 × 40 0.64	25 × 35 0.64	30 × 30 0.67	35 × 25 0.67
120	22 × 40 0.68	25 × 35 0.68	30 × 30 0.72	35 × 25 0.72	22 × 45 0.72	25 × 40 0.72	30 × 35 0.76	35 × 25 0.76
150	22 × 45 0.75	25 × 40 0.75	30 × 35 0.79	35 × 25 0.79		25 × 45 0.79	30 × 40 0.83	35 × 30 0.83
180		25 × 45 0.79	30 × 40 0.88	35 × 30 0.88			30 × 45 0.92	35 × 35 0.92
220			30 × 45 1.00	35 × 35 1.00				35 × 40 1.05
270				35 × 40 1.19				35 × 45 1.25
330				35 × 45 1.38	← Case size ØD × L (mm) ← Ripple current (A rms) at 105°C, 120Hz			35 × 50 1.45

## ● 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