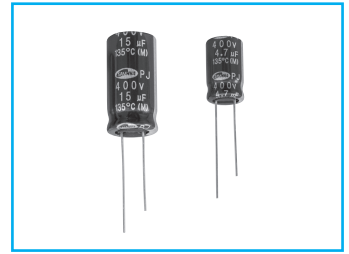


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS



PJ High Temperature, For 135°C Use Series

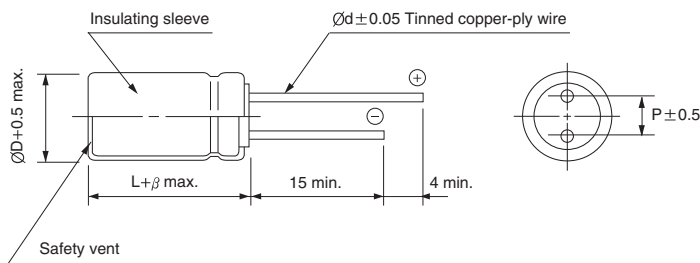


- For LED Lighting
- High reliability withstanding 3000 hours load life at 135°C
- Complied to the RoHS directive

Item	Characteristics				
Operating temperature range	-40 ~ +135°C				
Leakage current max.	I = 0.02CV + 15µA (after 5 minutes)				
Capacitance tolerance	±20% at 120Hz, 20°C				
Dissipation factor max. (at 120Hz, 20°C)	WV	200	250	400	450
	tanδ	0.15	0.15	0.20	0.20
Low temperature characteristics (Impedance ratio at 120Hz)	WV	200	250	400	450
	Z-25°C/Z+20°C	3	3	3	3
	Z-40°C/Z+20°C	6	6	6	6
Load life (after application of the rated voltage for 3000 hours at 135°C)	Leakage current	Less than specified value			
	Capacitance change	Within ±30% of initial value			
	tanδ	Less than 300% of specified value			
Shelf life (at 135°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

Unit : mm



ØD	8	10	12.5
P	3.5	5.0	
Ød	0.6	0.6	
β	1.5	2.0	

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

µF	WV	200		250		400		450	
	1.0						8 × 11.5	65	8 × 11.5
2.2						8 × 11.5	75	8 × 11.5	75
3.3						8 × 20	120	8 × 20	120
4.7	8 × 11.5	120	8 × 11.5	125	8 × 20	120	8 × 20	120	
5.6	8 × 11.5	130	8 × 11.5	140	10 × 16	130	10 × 16	130	
6.8	8 × 11.5	130	8 × 11.5	140	10 × 20	150	10 × 20	150	
10	8 × 15	200	10 × 12.5	210	10 × 20	180	10 × 20	180	
15	8 × 20	240	10 × 16	250	12.5 × 20	200			
22	10 × 16	240	12.5 × 20	250					
33	10 × 20	320							

↑ ↑ Ripple current (mA rms) at 135°C, 100kHz
Case size ØD × L (mm)

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

WV	µF	Frequency				
		120Hz	1kHz	10kHz	50kHz	100kHz ≤
200~450	1 ~ 5.6	0.20	0.40	0.80	0.90	1.00
	6.8 ~ 15	0.30	0.60	0.90	0.95	1.00
	22 ~	0.50	0.80	0.90	0.95	1.00