

ALUMINUM ELECTROLYTIC CAPACITOR (CD295 LK)

LK FEATURES

- General purpose with snap - in terminal series
- Top safety vent construction
- Ideally suited for switching power supplies, telecommunication and other electronic products

SPECIFICATIONS

Item	Performance Characteristics									
Rated Working Voltage Range	10V.DC~100V.DC					160V.DC~450V.DC				
Operating Temperature Range	-40℃ ~+85℃					-25℃ ~+85℃				
Nominal Capacitance Range	470μF~68000μF					47μF~1500μF				
Capacitance Tolerance	±20%(+25℃, 120Hz)									
Leakage Current	I _s Leakage current shall be measured after application rated working voltage for 5 minutes at +25℃ Nominal Capacitance in μ F: Rated Working Voltage in V									
Dissipation Factor (tanδ)	Rated Working Voltage(V)	10	16	25	35	50	63	100	160~250	400~450
	tanδ(MAX)(25℃, 120Hz)	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.20
Temperature Stability	Rated Working Voltage(V)	10~100			160~250			400~450		
	Impedance Ratio(120Hz)	4			3			8		
Load Life	After application of rated working voltage and maximum permissible current specified at +85℃ for 2000hours,capacitors meet the characteristics requirements at +25℃ listed below									
	Leakage Current	Less than the initial specified value								
	tanδ	Less than 200% the initial specified value								
	Capacitance change	Within ±20% of the initial measured value								
Shelf Life	After leaving capacitors under no load at +85℃ for 1000 hours ,cap acitors meet the characteristics listed above									

MULTIPLIER FOR RIPPLE CURRENT

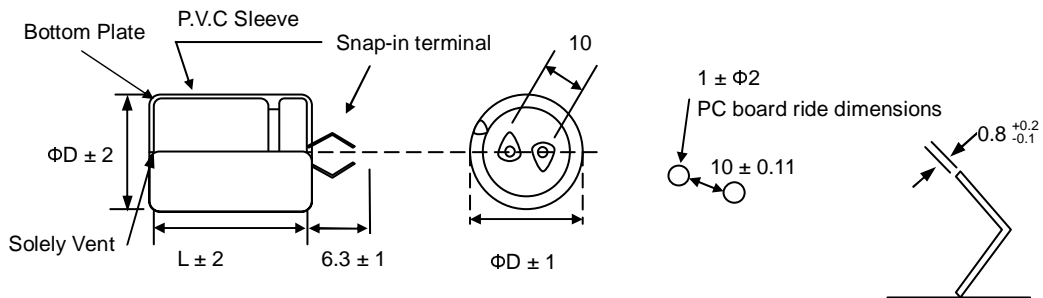
Frequency coefficient

Cap(μF) \ Freq(Hz)	50	60	120	1k	10k
10~100	0.88	0.90	1.00	1.10	1.15
160~250	0.80	0.80	1.00	1.14	1.18
400~450	0.78	0.80	1.00	1.10	1.15

Temperature coefficient

Ambient Temperature(℃)	+85	+65
Factor	1.0	1.3

CASE SIZE TABLE



β	0.5		
ΦD	4	5	6.3
F±0.5	1.5	2.0	2.5
Φd±0.1	0.45	0.5	
L	7		
a	1.0		

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DIMENSIONS, RATED VOLTAGE RANGE AND CAPACITANCE

uF \ V	10		16		25		35		50		63		100	
	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
470													22X25	0.75
680													22X30 25X25	0.95
1000											22X25	1.20	22X40 25X30	1.20
1500											22X30 25X25	1.30	25X40 30X30	1.65
2200							22X25 22X30	1.25	22X30 25X25	1.35	22X30 25X25	1.50	25X50 30X45	1.80
3300					22X25	1.25	22X30 25X25	1.45	22X40 25X30	1.70	25X40 30X30	1.90	30X50 35X45	2.40
4700					22X25	1.60	25X25 25X30	1.80	25X40 30X30	2.10	30X40	2.30	35X60	2.70
6800			22X25 25X25	1.60	22X30 25X25	2.05	22X40 25X30	2.45	30X40	2.60	30X60 35X50	3.00		
10000	22X25	1.87	22X30 25X30	2.30	22X40 25X30	2.60	25X40 30X40	3.00	30X50 35X45	3.40	30X60 35X50	3.30		
15000	22X30 25X25	2.46	25X30 30X30	3.10	25X40 30X40	2.90	30X50 30X40	3.70	35X60	3.70				
22000	25X40 30X30	3.57	25X40 30X40	4.00	30X50 35X40	3.25	30X60 35X50	4.05						
33000	25X50 30X40	4.69	30X50 35X40	5.40	30X60 35X50	3.75								
47000	30X50 35X45	6.10	30X60 35X50	7.20										
68000	30X60 35X50	7.90												

uF \ V	160		200		250		400		450	
	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
47							22X25 25X25	0.25	22X30 25X25	0.29
68							22X30	0.75	22X30 25X25	0.7
100							22X40 25X30	0.95	22X40 25X30	0.8
150	22X25	0.75	22X25 25X25	0.65	22X30 25X25	0.65	25X40 30X35	1.22	30X40 25X50	1.18
220	22X25 25X25	0.90	22X30 25X25	1.19	22X30 22X40	1.24	25X50 30X40	1.58	35X50 35X40	1.59
330	25X25	1.55	22X40 25X30	1.51	25X40 30X30	1.61	30X50 35X40	2.00	35X50	2.12
470	25X35 30X30	1.86	25X40 30X30	1.93	25X50 30X40	2.04	30X60 35X50	2.15	35X60	2.65
680	25X40 30X30	2.33	30X40 35X35	2.48	30X50 35X45	2.07				
1000	30X45 35X40	2.62	35X50 35X45	2.75	30X60 35X50	3.48				
1500	30X50 35X45	3.94								

(1) DIMENSIONS: D x L (mm)

(2) MAX ALLOWABLE RIPPLE CURRENT (mA rms +85°C 120Hz)