CDA 130 MA SERIES

- Very long life, 160000 hours at +80℃
- Low ESR
- High capacitance
- Outstanding electrical performance

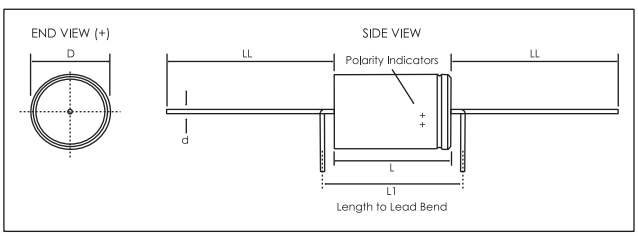
CDA **130** MA

↑ Longer Life

CDA **124** LE

Items	Characteristics
Operating Temperature Range (℃)	-40 ~ +105
Voltage Range (V)	25 ~ 63
Capacitance Range (μF)	900 ~ 6300
Capacitance Tolerance (20℃,100Hz)	-10/+30%
Leakage Current (μA)	After 5 minutes at 20℃ application of rated voltage, leakage current is not more than 0.003CV+4.0 . C: Nominal Capacitance(μF) V: Rated Voltage(V)
Equivalent Series Resistance (20℃, 100Hz/100kHz)	Less than values shown in the standard ratings.
Load Life	Ripple Current: Maximum ripple current specified in the standard ratings. Voltage: The sum of DC voltage and the peak AC voltage must not exceed the rated voltage of capacitor.
	D(mm) / +80℃ Life Time (hours) / +105℃ Life Time (hours) 20 / 160000 / 37000
	Capacitance Change: Within 15% of the initial value. Equivalent Series Resistance: Not more than 200% of the initial value. Leakage Current: Not more than the initial specified value. (All specifications should be test at +20℃ Life ambient temperature.)
Shelf Life	5000 hours at +105℃ or 10 years at +40℃0 VDC
Vibration Test	Procedure: Displacement amplitude max.0.75mm, acceleration max.10 g, duration 3×2h, frequency range 10 ~ 2000 Hz (capacitor clamped by body). Requirements: No leakage of electrolyte or other visible damage. Deviations in capacitance from initial value must not exceed △C/C < 5%.
Standards	IEC 60384-4

Dimensions mm



Dimension Code	D	L	L1	d	Bulk LL	Approximate Weight (g)
	±0.5	±1.0	Min.	±0.03	-2/+3	
200029	20	29.0	35.0	1.0	40	13
200037	20	37.0	43.0	1.0	40	20
200046	20	46.0	52.0	1.0	40	24

Note: L1 is Jianghai's recommendation for minimum distance between symmetrical lead bend.

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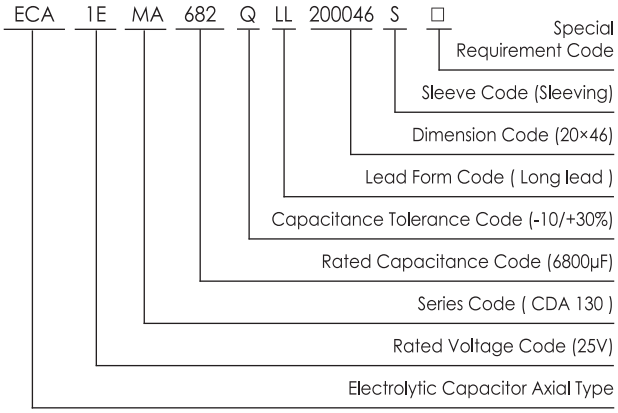
Part Number System (Ex:25V6800μF)



Ripple Current Coefficient

Frequency (Hz)	300	1K	5K	100K
Coefficient	0.57	0.80	1.00	1.04

Ratings for CDA 130 Series

U_R Code	Rated Capacitance	Max ESR			Max Ripple Current					Size ΦD x L	P/N
	20℃, 100Hz	20℃, 100Hz	20℃, 100kHz	150 ℃, 5~100kHz	105℃, 100Hz	60℃, ≥5kHz	80℃, ≥5kHz	100℃, ≥5kHz	105℃, ≥5kHz		
(V)	(μF)	(mΩ)	(mΩ)	(mΩ)	(Arms)	(Arms)	(Arms)	(Arms)	(Arms)	(mm)	-
25 (1E)	3600	47	32	16.6	1.72	8.9	7.2	4.1	2.7	20x29	ECA1EMA362Q□□200029
	4800	36	24	13.0	2.11	10.8	8.8	4.9	3.2	20x37	ECA1EMA482Q□□200037
	6300	30	21	11.3	2.45	12.1	9.9	5.5	3.6	20x46	ECA1EMA632Q□□200046
40 (1G)	2000	59	32	17.0	1.44	8.8	7.2	4.0	2.6	20x29	ECA1GMA202Q□□200029
	3000	42	24	13.1	1.85	10.7	8.7	4.9	3.2	20x37	ECA1GMA302Q□□200037
	3900	33	19	11.3	2.18	12.3	10.0	5.5	3.6	20x46	ECA1GMA392Q□□200046
63 (1J)	900	94	40	25.1	1.06	7.2	5.9	3.3	2.2	20x29	ECA1JMA901Q□□200029
	1400	64	29	18.8	1.40	9.0	7.4	4.1	2.7	20x37	ECA1JMA142Q□□200037
	1800	51	24	15.9	1.65	10.4	8.4	4.7	3.1	20x46	ECA1JMA182Q□□200046