Aluminum Electrolytic Capacitors

EAR4-CD11X 7MM Radial Aluminum Electrolytic Capacitors

ELECSOUND®

Load life of 2000 hours at 85 ℃
7mm Height
Used in Car Audio,DVD, VCD, Air Conditions Circuits
For general purpose, Standard

Specifictions:

Operating Temperature Range(℃): -40~+85
Rated Voltage Range(V): 6.3~63
Nominal Capacitance Ranger(μF): 0.1~470
Capacitance Tolerance(20 ℃,120Hz) : 20%
Leakage current (μA): I≤ 0.01CV or 3uA ; whichever is smaller(at 25 ℃ ,after 2 minutes)

Dissipation Factor(25 ℃,120Hz)

Rated Voltage (V)	6.3	10	16	25	35	50	63
tan δ	0.24	0.2	0.16	0.14	0.12	0.1	0.1
when nominal capacitance is over 1000uF tan δ shall be added 0.02 to the listed							

Temperature Stability(120Hz)

Rated voltage(v)		6.3	10	16	25	35	50	63
Impedance Ratio	Z-25℃/Z+20℃	4	3	2	2	2	2	2
	Z-40℃/Z+20℃	8	6	4	4	3	3	3

Load Life(+85 ℃)

Time	After applying rated voltage for 2000 Hours at +85℃ and then resumed 16 Hours
Leakage Current	Not more than the specified value.
Capacitance Change	Within ±20% of the initial value.
Dissipation Factor	Not more than 200% of the specified value.

Shelf Life(+85 ℃)

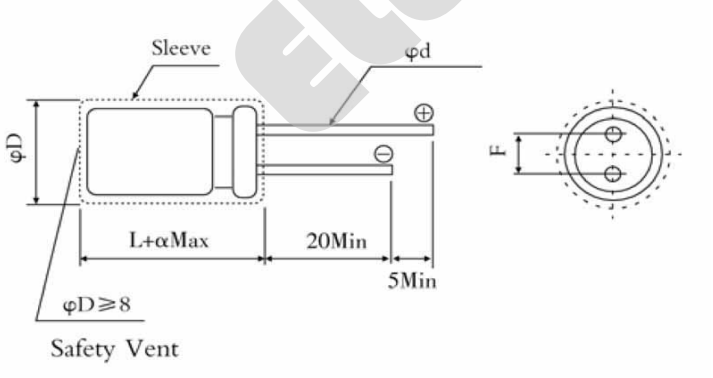
Time	After Storage for 1000 Hours at +85℃ and then resumed 16 Hours
Leakage Current	Not more than the specified value.
Capacitance Change	Within ±20% of the initial value.
Dissipation Factor	Not more than 200% of the specified value.

After test:Rated Voltage to be applied for 30 minutes, 24 to 48 hours before measurement.

Frequency coefficient

Frequency (Hz) / Rated Voltage (V)	50Hz	120Hz	1KHz	10KHz	100K
6.3~16	0.8	1.00	1.10	1.20	1.20
25~35	0.8	1.00	1.50	1.70	1.70
50~63	0.8	1.00	1.60	1.90	1.90

Dimensions : (Unit:MM)



Lead spacing and diameter: (Unit:MM)

ΦD	4	5	6	7
F	1.5	2	2.5	3.5
Φd	0.45		0.5	

ELECSOUND ELECTRONICS COMPANY LIMITED
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Standard Ratings

WV(V)	6.3		10		16		25		35		50		63	
Cap (μF)	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
	ΦDxL	mArms	ΦDxL	mArms	ΦDxL	mArms	ΦDxL	mArms	ΦDxL	mArms	ΦDxL	mArms	ΦDxL	mArms
0.1	-	-	-	-	-	-	-	-	-	-	4x7	1	-	-
0.22	-	-	-	-	-	-	-	-	-	-	4x7	2	-	-
0.33	-	-	-	-	-	-	-	-	-	-	4x7	3	-	-
0.47	-	-	-	-	-	-	-	-	-	-	4x7	4	-	-
1	-	-	-	-	-	-	-	-	-	-	4x7	9	4x7	11
2.2	-	-	-	-	-	-	-	-	4x7	13	4x7	14	4x7	16
3.3	-	-	-	-	-	-	4x7	13	4x7	16	4x7	17	5x7	20
4.7	-	-	-	-	4x7	16	4x7	16	4x7	19	4x7	22	5x7	26
10	-	-	4x7	21	4x7	24	4x7	19	5x7	29	5x7	34	6x7	40
22	4x7	29	4x7	33	4x7	37	5x7	29	6x7	45	6x7	53	-	-
33	4x7	37	4x7	41	5x7	48	5x7	45	6x7	59	-	-	-	-
47	4x7	44	4x7	51	5x7	57	6x7	59	-	-	-	-	-	-
100	5x7	68	5x7	75	6x7	89	8x7	95	-	-	-	-	-	-
220	6x7	101	6x7	118	8x7	120	-	-	-	-	-	-	-	-
330	8x7	132	8x7	135	-	-	-	-	-	-	-	-	-	-
470	8x7	144	8x7	150	-	-	-	-	-	-	-	-	-	-

Rated Ripple Current: 85 ℃,100hz or 120Hz

The Specific capacitance and case size are available on requert by customer

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