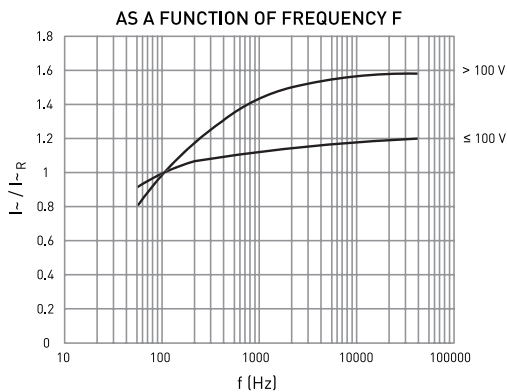


Aluminum Electrolytic Capacitors

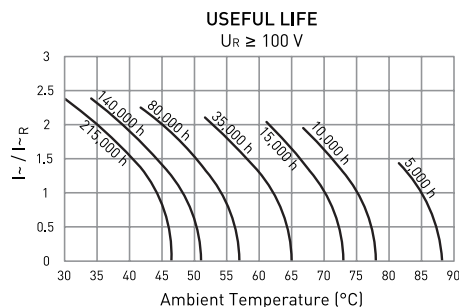
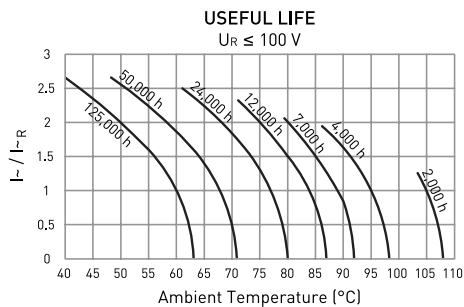
Type AEL: High Pulse, Low ESR Series

The Electrocube Type AEL series offers audio-enhanced electrolytic capacitors. The audio capacitor construction creates its unique high performance and long-life characteristics. Audio engineers prefer its enriched tones for speakers and amplifiers to obtain classic sound. The Type AEL series is part of a designated line of audio capacitors specially optimized for the high-end audio industry using design and manufacturing techniques proprietary to Electrocube.

Ripple Current



Life



AEL Capacitors

Available in round shape with axial lead

Features

- Tolerance $\pm 20\%$
- Voltages available from 63 VDC to 500 VDC
- Metal enclosure with shrink on sleeve
- Compliance and certification to worldwide and other environmental standards available upon request; available in RoHS construction only
- Customizable insulating sleeves, mountings, special terminals, non-standard leads, circuit connections and other hardware
- Assorted styles, ratings and customization for unusual requirements necessitated by special circuit applications

Specifications

Temperature range

■■■ -45°C to +85°C

Acceptance criteria

■■■ Measurement frequency for capacitance 120 Hz

Surge voltage

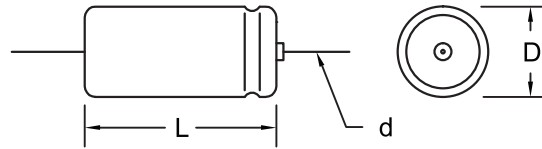
■■■ ≤ 250V: surge voltage = 1.15 x rated voltage

■■■ ≥ 400V: surge voltage = 1.10 x rated voltage

■■■ Maximum reverse voltage: 2.0 V

Round Configuration

DIAMETER	
PART (D)	LEAD WIRE (d)
≤ 25 mm	0.8 mm
> 25 mm	1.0 mm



LEAD LENGTH: 40mm min

For max. D and L dimensions, allow +1.

100 VOLTAGE DC

μF	PART NO.	DIMENSIONS		ESR 100Hz 20°C mΩ	RIPPLE CURRENT IR- 100Hz 85°C (A)
		D	L		
150	AEL151100M	10	30	1062	0.3
220	AEL221100M	12	30	724	0.4
330	AEL331100M	14	30	483	0.5
390	AEL391100M	14	37	408	0.5
470	AEL471100M	16	30	339	0.6
560	AEL561100M-L	16	39	284	0.7
560	AEL561100M	18	30	284	0.7
680	AEL681100M	18	39	234	0.9
1000	AEL102100M	21	36	159	1.1
1500	AEL152100M	25	38	106	1.5
2200	AEL222100M	25	49	72	2.0
3300	AEL332100M	30	50	48	2.7
4700	AEL472100M	35	50	34	3.5
6800	AEL682100M	35	66	23	4.7

250 VOLTAGE DC

μF	PART NO.	DIMENSIONS		ESR 100Hz 20°C mΩ	RIPPLE CURRENT IR- 100Hz 85°C (A)
		D	L		
33	AEL330250M	10	30	2895	0.2
56	AEL560250M	12	30	1706	0.2
85	AEL820250M	14	30	1165	0.3
100	AEL101250M-L	14	37	955	0.4
100	AEL101250M	16	30	955	0.4
150	AEL151250M-L	16	39	637	0.5
150	AEL151250M	18	30	637	0.5
180	AEL181250M	18	39	531	0.6
220	AEL221250M	21	36	434	0.7
390	AEL391250M	25	38	245	1.0
680	AEL681250M	25	49	141	1.4
820	AEL821250M	30	50	117	1.7
1200	AEL122250M	35	50	80	2.3
1800	AEL182250M	35	66	53	3.1

400 VOLTAGE DC

μF	PART NO.	DIMENSIONS		ESR 100Hz 20°C mΩ	RIPPLE CURRENT IR- 100Hz 85°C (A)
		D	L		
18	AEL180400M	10	30	7077	0.1
27	AEL270400M	12	30	4718	0.1
39	AEL390400M	14	30	3266	0.2
47	AEL470400M-L	14	37	2710	0.2
47	AEL470400M	16	30	2710	0.2
56	AEL560400M-L	16	39	2275	0.3
56	AEL560400M	18	30	2275	0.2
68	AEL680400M	18	39	1873	0.3
100	AEL101400M	21	36	1274	0.4
150	AEL151400M	25	38	849	0.5
220	AEL221400M	25	49	579	0.7
330	AEL331400M	30	50	386	0.9
470	AEL471400M	35	50	271	1.2
680	AEL681400M	35	66	187	1.7

500 VOLTAGE DC

μF	PART NO.	DIMENSIONS		ESR 100Hz 20°C mΩ	RIPPLE CURRENT IR- 100Hz 85°C (A)
		D	L		
4.7	AEL47500M	10	30	23716	0.1
6.8	AEL68500M	10	30	14043	0.1
10	AEL100500M	12	30	11146	0.1
12	AEL120500M	14	30	9289	0.1
15	AEL150500M-L	14	37	7431	0.1
15	AEL150500M	16	30	7431	0.1
22	AEL220500M-L	16	39	5067	0.2
22	AEL220500M	18	30	5067	0.2
33	AEL330500M	18	39	3378	0.2
47	AEL470500M	21	36	2372	0.3
82	AEL820500M	25	38	1359	0.4
120	AEL121500M	25	49	929	0.6
180	AEL181500M	30	50	619	0.7
220	AEL221500M	35	50	507	0.9
330	AEL331500M	35	66	338	1.2

For questions and/or a quote, contact Sales at 909-595-4037 or info@electrocube.com.



Founded in 1961, Electrocube is one of the most respected design manufacturers of passive electrical components – film capacitors, RC Networks, EMI Filters and foil transformers – for a wide range of standard and custom applications in the aerospace, audio, elevator, heavy equipment industries and more. Electrocube's hallmark is its clear understanding of the challenges faced by design engineers and purchasing agents as well as audio engineers, editors and musicians in the high-end audio industry. www.electrocube.com