

Aluminum Electrolytic Capacitors

Type AENP: Non-Polar Design for Speaker Crossover Networks

The Electrocube Type AENP series offers audio-enhanced, non-polar, electrolytic capacitors. Audio engineers prefer its enriched tones for speakers and amplifiers to obtain the best tones for bass tones and guitar. These audio capacitors are manufactured with proprietary techniques to create their unique high performance and long-life characteristics. The Type AENP series is part of a designated line of audio capacitors specially optimized for the high-end audio industry.

Specifications

Temperature range

- ■ ■ -45°C to 105°C

Acceptance criteria

- ■ ■ Measurement frequency for capacitance 1 KHz

Rated voltages

- ■ ■ 35 VDC at 23 VAC
- ■ ■ 50 VDC at 35 VAC
- ■ ■ 70 VDC at 50 VAC

Peak voltages (AC)

- ■ ■ May not exceed rated DC voltage

Useful life

- ■ ■ > 5,000 hours at 85°C
- ■ ■ > 1,000 hours at 105°C

Endurance test

- ■ ■ 100,000 hours at 40°C

External insulation Hi-Pot

- ■ ■ $D \leq 25\text{mm}$: $\geq 1,000$ VAC
- ■ ■ $D > 25\text{mm}$: $\geq 2,500$ VAC



AENP Capacitors

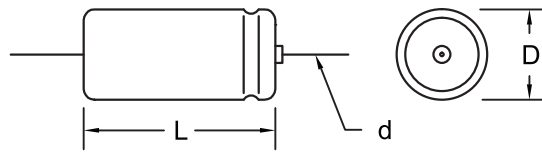
Available in round shape with axial lead

Features

- ■ ■ Tolerance $\pm 10\%$
- ■ ■ 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

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.

35 VOLTAGE DC (23 VAC @ 50 Hz)			
μF	PART NO.	DIMENSIONS	
		D	L
1.0	AENP1002310020	10	20
2.2	AENP2202310030	10	30
3.3	AENP3302310030	10	30
4.7	AENP4702310030	10	30
6.8	AENP6802310030	10	30
10	AENP10002310030	10	30
15	AENP15002314037	14	37
22	AENP22002314037	14	37
33	AENP33002318039	18	39
47	AENP47002321036	21	36
68	AENP68002325036	25	36
100	AENP10102325036	25	36
120	AENP12102325049	25	49
150	AENP15102325049	25	49
200	AENP20102330049	30	49

50 VOLTAGE DC (35 VAC @ 50 Hz)			
μF	PART NO.	DIMENSIONS	
		D	L
1.0	AENP1003510020	10	20
2.2	AENP2203510030	10	30
3.3	AENP3303510030	10	30
4.7	AENP4703512030	12	30
6.8	AENP3603512030	12	30
10	AENP10003514037	14	37
15	AENP15003516039	16	39
22	AENP22003518039	18	39
33	AENP33003525036	25	36
47	AENP47003525036	25	36
68	AENP68003525049	25	49
100	AENP10103530049	30	49
120	AENP12103530049	30	49
150	AENP15103535066	35	66
200	AENP20103535066	35	66

70 VOLTAGE DC (50 VAC @ 50 Hz)			
μF	PART NO.	DIMENSIONS	
		D	L
1.0	AENP1105010025	10	25
2.2	AENP2205010030	10	30
3.3	AENP3305010030	10	30
4.7	AENP4705012030	12	30
6.8	AENP6805014030	14	30
10	AENP10005014037	14	37
15	AENP15005018039	18	39
22	AENP22005018039	25	36
33	AENP33005025036	25	36
47	AENP47005025049	25	49
68	AENP68005030049	30	49
100	AENP10105035049	35	49

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