

# Audio Capacitors

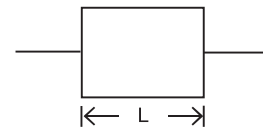
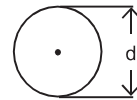
## ECap AC raw



Aluminium electrolytic capacitors are used in applications for which film capacitors are not suitable for reason of space and/or cost. Polarised electrolytic capacitors which have the most compact design and are therefore used for very high capacities (e.g. for the voltage supply of amplifiers) cannot transfer any audio signal because audio signals are AC signals.

Bipolar electrolytic capacitors such as the ECap AC series have a second aluminium foil providing AC voltage resistance and thus making them suitable for music signals. Further special features of all **ECap AC capacitors**:

Short delivery times	Any values listed on page 18/19 are normally immediately available from stock Special designs are available within only 4-6 weeks and already from a quantity of 144 items
Variety of applications	RoHS-compliant · lead-free REACH-compliant All ingredients are UL listed Specifications according to DIN 41332 · IEC 60384-4 Thermal tests according to IEC 60068 40/105/56
Guarantee of origin	Manufactured in Germany



The bipolar electrolytic capacitors of the **ECap AC · Audio Coupling & Signal Cap RAW** series have foils with surfaces which are roughened by a special etching process thus enlarging the surface. As the capacity of capacitors is proportional to their surface, this process provides the smallest and cheapest Mundorf audio capacitors. Additional special features:

Capacity range	1µF to 800µF
Electric strength	AC23 DC63 · AC35 DC100
Temperature range	-40°C/-40°F to 85°C/+185°F
Service life [U <sub>R</sub> · I <sub>R</sub> ]	3,000 hours at +85°C/+185°F
Loss angle [tan α]	0.050 @ 1kHz



**ECAP100**  
Electrolytic capacitors 100 VDC / 35 VAC, raw

Capacity [µF] ±5%	Body Ø * L [mm]	Wire Ø * L [mm]	[€]
10	10 * 30	0.8 * 40	0,79
15	10 * 30	0.8 * 40	0,89
22	12 * 30	0.8 * 40	1,09
33	12 * 30	0.8 * 40	1,29
47	14 * 37	0.8 * 40	1,59
56	14 * 38	0.8 * 40	1,79
68	16 * 39	0.8 * 40	1,99
82	18 * 39	0.8 * 40	2,19
100	18 * 39	0.8 * 40	2,49

**ECAP63**  
Electrolytic capacitors 63 VDC / 23 VAC, raw

Capacity [µF] ±5%	Body Ø * L [mm]	Wire Ø * L [mm]	[€]
150	14 * 37	0.8 * 40	1,99
180	16 * 39	0.8 * 40	2,19
220	16 * 39	0.8 * 40	2,39
270	21 * 36	0.8 * 40	2,69
330	21 * 36	0.8 * 40	2,99
390	25 * 38	0.8 * 40	3,49
470	25 * 38	0.8 * 40	3,99
560	25 * 38	0.8 * 40	4,49
680	25 * 38	0.8 * 40	4,99



The bipolar electrolytic capacitors of the **ECap AC · Audio Coupling & Signal Cap PLAIN** series are made of smooth and thus low-loss foils. This has a positive effect on the sound characteristics. Music is reproduced in more details and nuances. Highlights:

Capacity range	1µF to 200µF
Electric strength	AC23 DC35 · AC35 DC50 · AC50 DC70
Temperature range	-40°C/-40°F to 85°C/+185°F
Service life [U <sub>R</sub> · I <sub>R~</sub> ]	5,000 hours at +85°C/+185°F
Loss angle [tan α]	0.025 @ 1kHz

**ECAP70**

**Electrolytic capacitors 70 VDC / 50 VAC, plain**

Capacity [µF] ±5%	Body Ø * L [mm]	Wire Ø * L [mm]	[€]
1,0	10 * 20	0.8 * 40	0,79
1,5	10 * 20	0.8 * 40	0,89
2,2	10 * 30	0.8 * 40	0,99
2,7	10 * 30	0.8 * 40	1,09
3,3	10 * 30	0.8 * 40	1,19
3,9	10 * 30	0.8 * 40	1,29
4,7	10 * 30	0.8 * 40	1,39
5,6	12 * 30	0.8 * 40	1,49
6,8	12 * 30	0.8 * 40	1,59
8,2	14 * 37	0.8 * 40	1,79
10	14 * 37	0.8 * 40	1,99
15	18 * 39	0.8 * 40	2,49
22	25 * 38	0.8 * 40	2,99
33	25 * 38	0.8 * 40	3,99
47	25 * 49	0.8 * 40	4,99

**ECAP50**

**Electrolytic capacitors 50 VDC / 35 VAC, plain**

Capacity [µF] ±5%	Body Ø * L [mm]	Wire Ø * L [mm]	[€]
47	25 * 38	0.8 * 40	3,99
56	25 * 49	0.8 * 40	4,99
68	25 * 49	0.8 * 40	5,99
82	30 * 50	0.8 * 40	6,99
100	30 * 50	0.8 * 40	7,99