

Power Capacitors TubeCap



The **TubeCap®** is made of polypropylene film with special features. This is particularly thin and the self-healing properties are markedly pronounced due to a special coating. This leads to a very high electrical strength in the capacitor with compact dimensions.

The **TubeCap®** combines a high degree of dielectric strength and low residual inductivity with a very compact form of construction. It has been developed as a high-quality technical alternative to high-voltage electrolytic capacitors and is thus ideally suited to use in tube amplifiers.

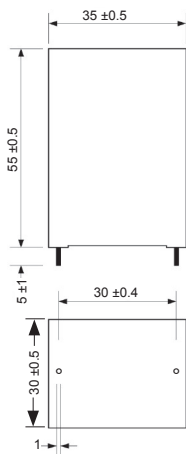
The advantages vis-à-vis electrolytic capacitors are:

- Lower ESR and lower residual inductivity
- No drying out; therefore longer service life
- Excellent Self-healing properties
- More compact form of construction
- There is no series connection necessary for increasing the dielectric strength.

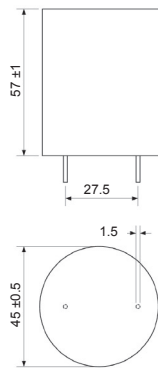


Technical specifications:

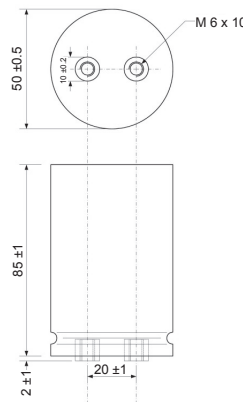
Dielectric: Polypropylen
 Dielectric strength: 550-1 000 VDC
 Loss factor: $\tan \delta < 0.005$ bei 1 kHz
 Sealing compound: PU UL 94-V0
 Useful Life: 100 000 h @ hot spot 60°
 Failure rate: 1 fit
 Cover: $0.5 \times U_N$; 40°
 Permissible ambient temperature 85°C/185°F



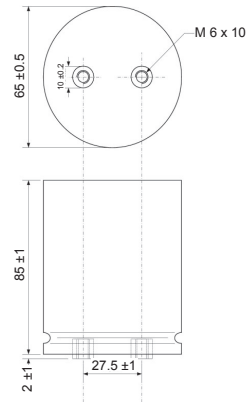
Specifications casing 1:
 Bucket: Plastic bucket UL 94-V0
 Terminals:
 copper wire, tin-plated Ø1.0 mm
 Weight: approx. 70g



Specifications casing 2:
 Bucket: aluminum bucket,
 unshrunk UL 94-V0
 Terminals:
 copper wire, tin-plated Ø1,4 mm
 Weight: approx. 105g



Specifications casing 3:
 Bucket: aluminum bucket,
 unshrunk UL 94-V0
 Terminals:
 internal screw thread M6 x 10
 Weight: approx. 215g



Specifications casing 4:
 Bucket: aluminum bucket,
 unshrunk UL 94-V0
 Terminals:
 internal screw thread M6 x 10
 Weight: approx. 345g

TCAP

MKP-capacitors for tubes applications

Capacity [µF] ±5%	VDC	Casing	ESR@10 Hz (typ.) [mOhm]	ESL @500kHz [nH]
10	1000	1	13	17,0
20	750	1	10	17,0
30	600	1	9	17,0
47	600	2	7	24,5
100	550	3	9	88,6
200	550	4	9	92,5