



## Fidelity Components 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.

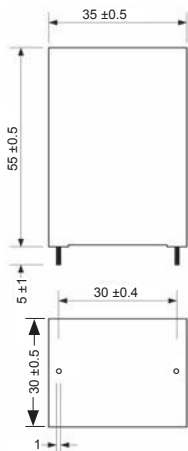
### The advantages vis-à-vis electrolytic capacitors are:

- 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.

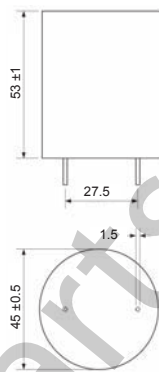


### Technical specifications:

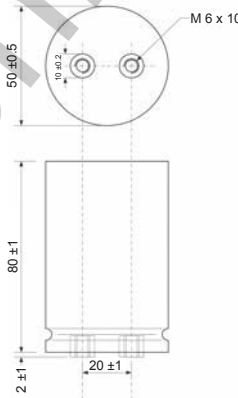
Dielectric: Polypropylen  
 Dielectric strength: 550-1 000 VDC  
 Loss factor:  $\tan \delta < 0.005$  bei 1 kHz  
 Sealing compound: PU UL 94-V0  
 Useful Life: 100 000 h @ hot spot 60°  
 Failure rate: 1 fit  
 Cover: 0.5 x U ; 40°



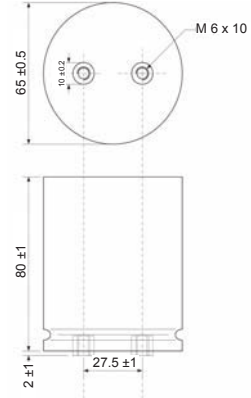
**Specifications casing 1:**  
 Bucket: Plastic bucket UL 94-V0  
 Terminals:  
 copper wire, tin-plated Ø1.4 mm  
 Weight: approx. 70g



**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 [Volt]	Casing	ESR@10 Hz (typ.) [mOhm]	ESL @500kHz [nH]
MUNDORF-018-70406	10	1000	1	13	17.0
MUNDORF-019-70407	20	750	1	10	17.0
MUNDORF-020-70408	30	600	1	9	17.0
MUNDORF-021-70409	47	600	2	7	24.5
MUNDORF-022-72480	100	550	3	9	88,6
MUNDORF-023-72481	200	550	4	9	92.5