

Thanks to the latest winding technology we are able to manufacture the **MCap® ZN** from ultrapure, RoHS-compliant tin foil now.

In the past, it was necessary to add lead in order to gain the required softness of the foil for winding capacitors. But lead used to have a tonal influence on the music signal, too.

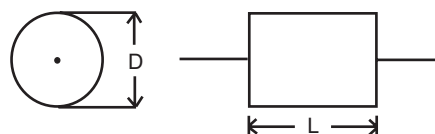
Lead-free tin foil means – aside from positive environmental aspects – also an improved sound characteristic of the 2007 **MCap® ZN**: Advanced neutrality.

As hitherto the enormous conductivity (The loss factor $[\tan \delta @ 1\text{kHz}]$ is ten-times lower than of standard MKP capacitors!) of the massive tin layer insures a lively music reproduction.

And last but not least the mass inertia of the tin foil prevents oscillations in the benefit of transparency and spatiality.

Technical specifications:

- Dielectric: Polypropylen
- Dielectric strength: 100-630 VDC
- Metall-foil: 6 μm Tin
- Loss factor: $\tan \delta = 0.0002 @ 1\text{ kHz}; 0.0001 @ 10\text{ kHz}$
- Permissible ambient temperature 85°C/185°F



ZN630

Tin-foil capacitors, 630 VDC

Capacity [μF] $\pm 3\%$	Body $\varnothing * l$ [mm]	Wire $\varnothing * l$ [mm]
0.10	10 * 32	1,0 * 30
0.22	14 * 32	1,0 * 30
0.33	17 * 32	1,0 * 30
0.47	20 * 32	1,0 * 30
0.68	19 * 45	1,0 * 35
1.0	22 * 45	1,0 * 35

ZN250

Tin-foil capacitors, 250 VDC

Capacity [μF] $\pm 3\%$	Body $\varnothing * l$ [mm]	Wire $\varnothing * l$ [mm]
1.5	23 * 45	1,0 * 35
2.2	27 * 45	1,0 * 35

ZN100

Tin-foil capacitors, 100 VDC

Capacity [μF] $\pm 3\%$	Body $\varnothing * l$ [mm]	Wire $\varnothing * l$ [mm]
2.7	20 * 39	1,0 * 35
3.3	24 * 39	1,0 * 35
3.9	26 * 39	1,0 * 35
4.7	26 * 39	1,0 * 35