JANTZEN AUDIO

MKT Z-cap

Metalized polyester film capacitor

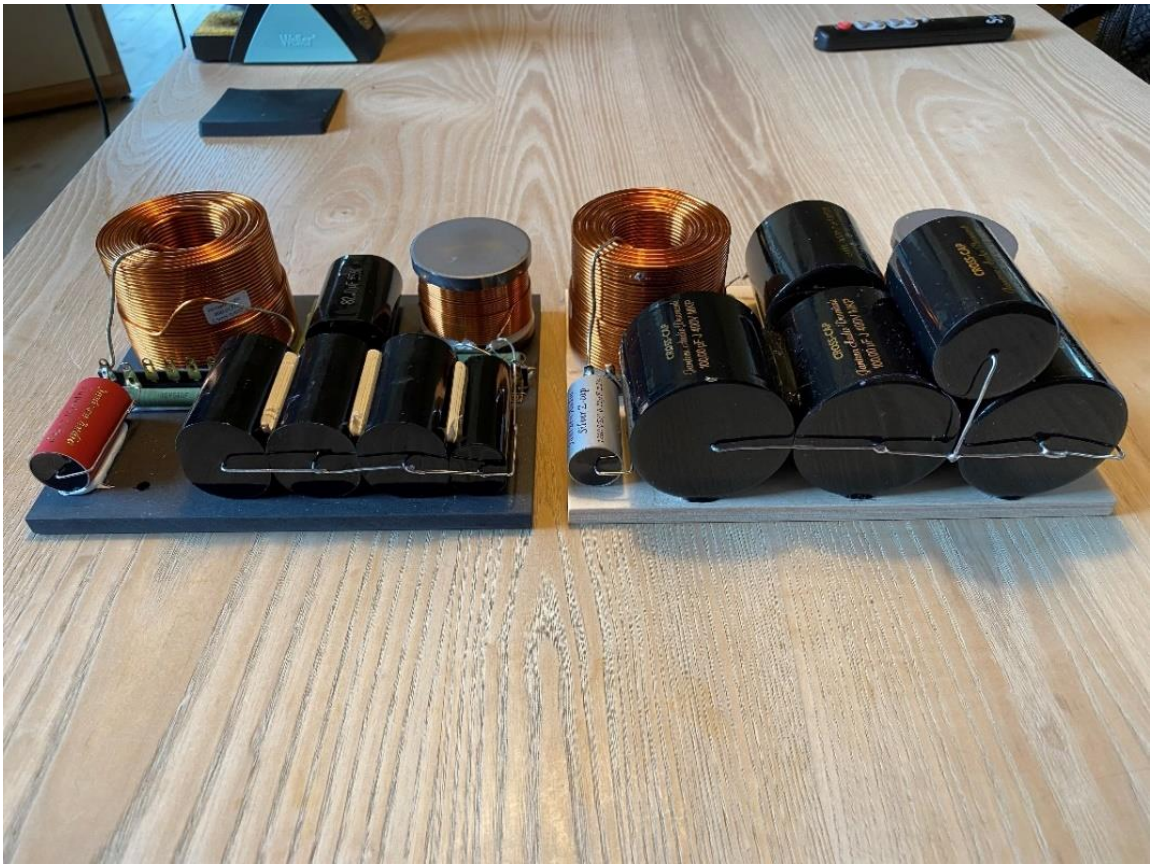
PRODUCT FEATURE

The MKT Z-caps are made with the highest quality metalized polyester film possible. They have a lot longer longevity and better sonic properties, compared to electrolytic capacitors.

When using metalized PP foil capacitors as an upgrade alternative to using electrolytic capacitors for high value positions on crossovers is not possible due to their size, the MKT Z-caps are a viable alternative.

Usually MKT capacitors are offered with a 160 volt DC rating, but by using a thinner dielectric insulation (100 volts DC rating), we were able to make them smaller in size.

Due to their shape, they can be stacked more easily when being coupled in parallel and will take up significantly less space, when compared to equivalent values of our Cross Caps (Metalized PP foil capacitors):



347µF in parallel, MKT Z-caps on the left and Cross Caps on the right

TECHNICAL DATA

- Capacitor foil: Metalized polyester foil
- Dielectric insulation: Polyester foil
- Terminal leads: Tinned 4N copper wire
- Voltage rating: 100 VDC / 63 VAC
- Capacity tolerance: +/- 5%
- Dielectric constant: Non-polar dielectric
- Dissipation factor: Extremely low
- Dielectric absorption factor: <0.5% @20°C
- Dielectric thickness: PB=5µm
- Equivalent series resistance (ESR): Extremely low
- Self-inductance: <15 nH
- Insulation resistance: >5000 MΩx µF 10000 MΩ min
- Temperature coefficient: -200°Cx10¯6/°C
- Temperature Range: -55°Cto + 125°C
- Metal layer thickness: PB=0.3 µm
- Metal layer conductivity: PB = 1.2 Ω/ cm^2

VALUES AND SIZING

- 22,00µF (17/23x46 mm) (Product Index: 001-4150)
- 33,00µF (18/25x56 mm) (Product Index: 001-4155)
- 47,00µF (22/29x56 mm) (Product Index: 001-4159)
- 56,00µF (25/34x56 mm) (Product Index: 001-4160)
- 68,00µF (28/34x56 mm) (Product Index: 001-4161)
- 82,00µF (31/36x56mm) (Product Index: 001-4163)
- 100,00µF (34/40x56mm) (Product Index: 001-4164)