Integrated Magnetic Component

INTEGRATED MAGNETIC COMPONENT

→ **Two Functions in a Single Component**

→ **Saving of 30 to > 70% in weight and size**

- **High power up to 300 kVA from 10 to 500 kHz**
- **Weight and size divided up to 3 and 30% less losses**
- **Technological Platforms/Building blocks:**
  - **E shape**
  - **U shape**
  - **Planar shape ..**

DAB	Original Size 2 components	Redesigned Size	Volume Reduction (%)	Original Weight 2 Components	Redesigned Weight	Weight Reduction (%)
2kW-300 kHz 12µH	337 cm³	83 cm³	**-75%**	840 g	250 g	**-70%**
5kW-100kHz 18µH	395 cm³	253 cm³	**- 36%**	1080 g	750 g	**-30%**
25kW-100kHz 28,6µH	1344 cm³	792 cm³	**- 41%**	3250 g	2160 g	**-33%**

Efficiency 99.7% ! (70W losses vs 170W from the competitor design)

EXXELIA