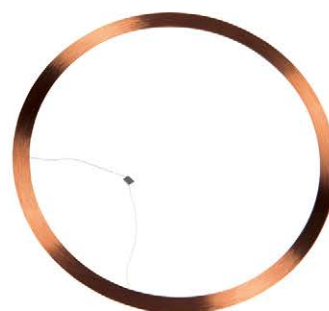
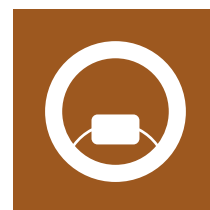




Transponders



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A range of applications.

The transponder is the heart of all our products.

It consists of a copper-wire antenna attached to an integrated circuit chip requiring no further encapsulation.

We make noncapsulated transponders that range in diameter from 5 mm to 120 mm. While most of our clients prefer round shaped-coils, we can also make different shapes and formats upon request. Sophisticated coil winding combined with fine frequency tuning gives LUX-IDent transponders an excellent read/write performance.

AVAILABLE CHIP TECHNOLOGIES

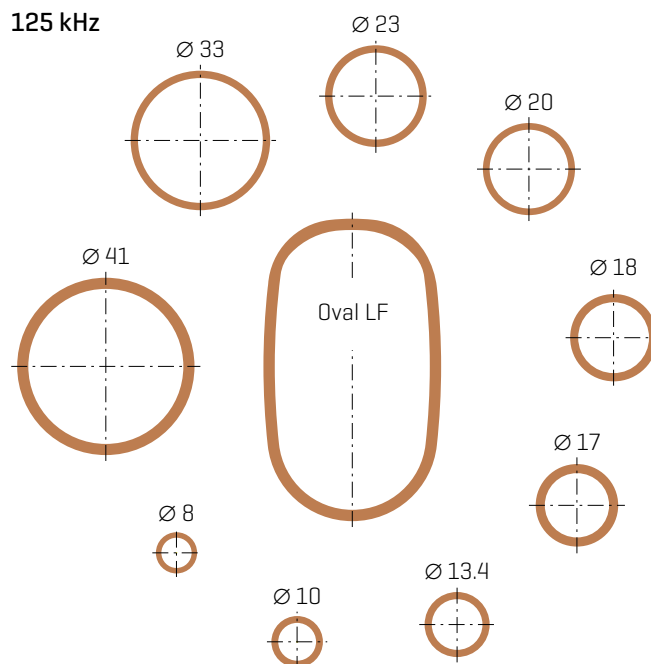
Manufacturer frequency	Chip type
EM Microelectronic	
LF 125 /134.2 kHz	EM4102, EM4200, EM4305, EM4450
NXP	
LF 125 /134.2 kHz	Hitag® 1, Hitag® 2, Hitag® S 256bit, Hitag® S 2048bit
HF 13.56 MHz	MIFARE Ultralight® C, MIFARE Ultralight® EV1, MIFARE Classic® 1K EV1, MIFARE Classic® 4K EV1, MIFARE® DESFire® 256B EV1, MIFARE® DESFire® 2K EV1/EV2, MIFARE® DESFire® 4K EV1/EV2, MIFARE® DESFire® 8K EV1/EV2, MIFARE Plus® SE, MIFARE Plus® S 2K, MIFARE Plus® S 4K, MIFARE Plus® X 2K, MIFARE Plus® X 4K, MIFARE Plus® EV1 2K, MIFARE Plus® EV1 4K, I-Code® SLIX, NTAG213, NTAG215, NTAG216, SmartMX [JCOP]
Infineon	
HF 13.56 MHz	NRG SLE66R35 1K
Microchip – Atmel	
LF 125 /134.2 kHz	ATA5575M1, ATA5575M2, ATA5577, Q5
LEGIC®	
HF 13.56 MHz	Prime: MIM256, MIM1024 Advant: ATC256-MV410, ATC1024-MV110, ATC1024-MV010, ATC4096-MP311, CTC 4096-MP410, CTC 4096-MM410
Silicon Craft	
LF 125 /134.2 kHz	SIC7999 [HDX]

Other ICs are available upon request.

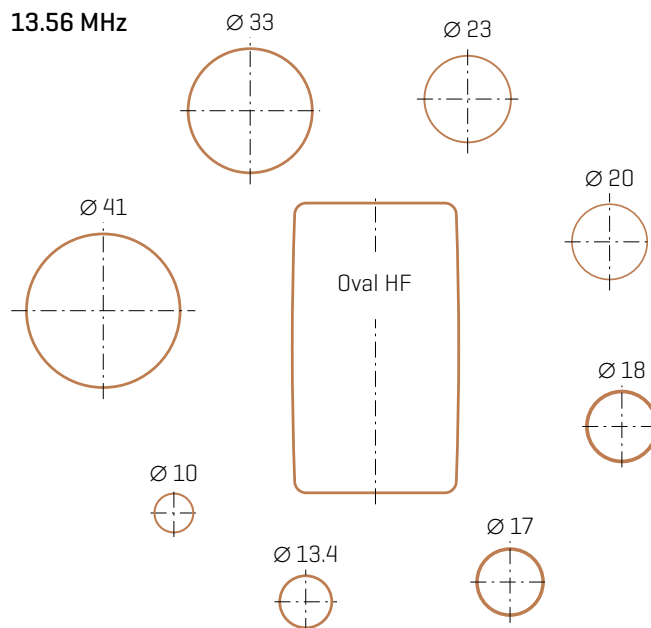
DIMENSIONS

[inner diameters, mm]

125 kHz



13.56 MHz



Other dimensions upon request.