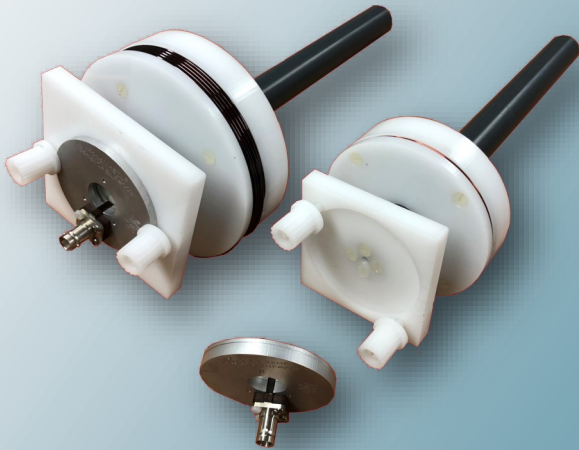


PRODUCT: Magnetic Field Transmit and Sense Coils 9 kHz to 26 MHz

TEST STANDARD: EN61000-4-39: 2017, EN60601-1-2: 2015 + A1: 2022

The Conformity Assessment EN61000-4-39 coil set has been designed specifically to enable testing to the latest version of the medical EMC standard EN60601-1-2: 2015 +A1: 2022. The set consists of four precision manufactured coils, two transmit coils and two receive coils. Together they cover the frequency range 9 kHz to 26 MHz. When testing to the medical test levels matching networks are required at 134.2 kHz and 13.56 MHz. These are included in the set and allow the test level to be reached using a 25W 50Ω RF amplifier. The set is supplied in a waterproof hard carry case.

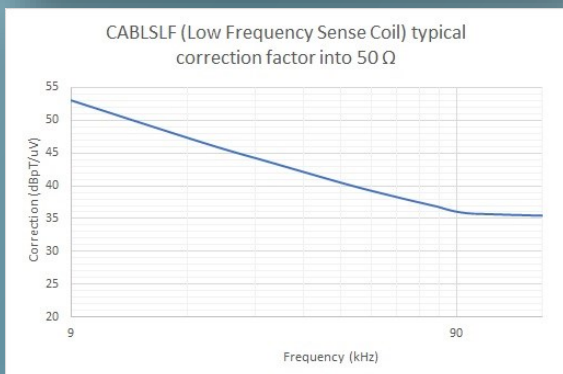
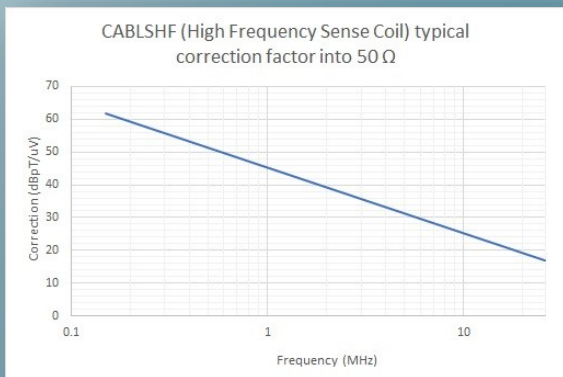
Coil Set



Matching Network



Typical Sense Coil Correction Factors



Technical Data:

CABLSELF (Low Frequency Sense Coil)*

- Frequency Range 9 kHz—150 kHz
- Coil Diameter: 40 mm
- Construction: 51 Turn AWG-41 Litz, Electrostatically shielded

CABLSHF (High Frequency Sense Coil)

- Frequency Range: 150 kHz—26 MHz
- Coil Diameter: 41 mm
- Construction: Single Turn, 0.5mm Diameter, Electrostatically shielded

CAB4-3912 (Low Frequency Transmit Coil)*

- Frequency Range 9 kHz—150 kHz
- Coil Diameter: 120 mm
- Construction: Wire Diameter 2.1 mm, 20 turns
- Maximum Current: 15 A

CAB4-3910 (High Frequency Transmit Coil)

- Frequency Range 150 kHz— 26MHz
- Coil Diameter: 100 mm
- Construction: Wire Diameter 1 mm, 3 turns

CAB1356 (13.56 MHz Matching Network)

- Connection 'N' type—Direct to Coil
- Designed for: 7.5 A/m testing to EN60601-1-2
- Matching: 100mm coil to 50Ω RF amplifier
- Maximum Power: 30W

CAB1356 (134.2 kHz Matching Network)

- Connection 'N' type—Direct to Coil
- Designed for: 65 A/m testing to EN60601-1-2
- Matching: 120mm coil to 50Ω RF amplifier
- Maximum Power: 50W

* CABLSELF and CAB4-3912 combination can be used for testing to RS101 of MIL STD 461 and are available as a stand alone item.