



MFA 01 set

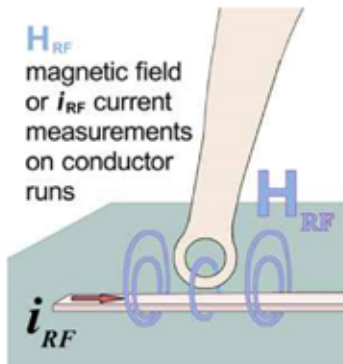
Micro probes 1 MHz up to 6 GHz

Frequency range: 1 MHz ... 6 GHz

Resolution: 200 μm

- 1x MFA-R 0.2-6 (Micro probe 100 MHz up to 6 GHz)
- 1x MFA-K 0.1-12 (Micro probe 100 MHz up to 6 GHz)
- 1x MFA-R 0.2-75 (Micro probe 1 MHz up to 1 GHz)
- 1x BT 706 (bias tee)
- 1x SMA-SMA 1 m (SMA-SMA measurement cable)
- 1x MFA case (System case near field probes)
- 1x MFA accessories (accessories)

The micro probes are used to measure magnetic fields and they have a high resolution. They measure magnetic fields up to 6 GHz, e.g. at signal conductors (150 μm), SMD components (0603-0201) or IC pins. The MFA micro probes are guided by hand. An amplifier stage is integrated into the probe head. The amplifier stage (9V, 100mA) is powered via the Bias tee BT 706. It has an impedance of 50 Ohm. The micro probes are connected via the Bias tee BT 706 to a spectrum analyzer or an oscilloscope. Langer EMV-Technik GmbH includes correction lines in the delivery. With the help of the correction lines the probe output voltage is converted either into the respective magnetic field or to the current which is running through the conductor.

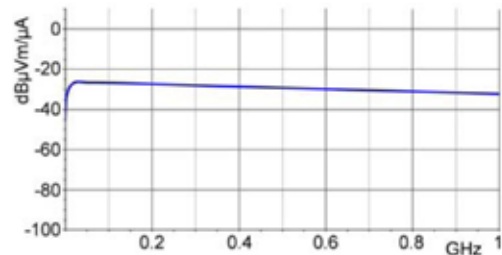


MFA-R 0.2-6

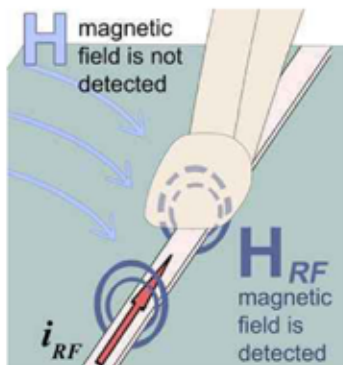
Micro probe 100 MHz up to 6 GHz

The MFA-R 0.2-6 micro probe has an extremely small probe head. It is suitable for measurements of RF magnetic fields on a component, e.g. close to IC pins, finest conducting paths or smallest SMD components (0603-0201)

Frequency range: 100 MHz ... 6 GHz
Resolution: 300 μm



Frequency response

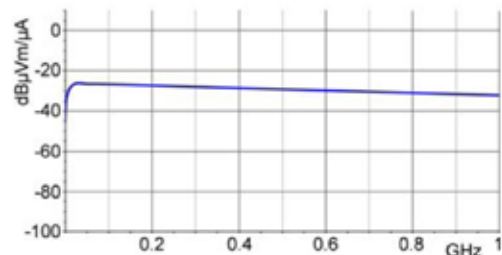


MFA-K 0.1-12

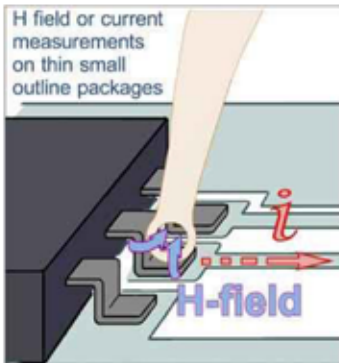
Micro probe 100 MHz up to 6 GHz

The MFA K 0.1-12 micro probe has an extremely small probe head which functions like a coupling clamp. It allows the current measurement at the finest conducting paths and IC pins. The micro probe is shielded from field lines which enter the probe head laterally.

Frequency range: 100 MHz ... 6 GHz
Resolution: 200 μm



Frequency response

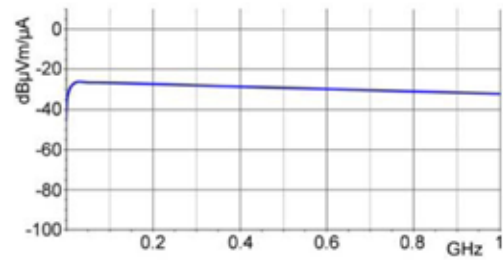


MFA-R 0.2-75

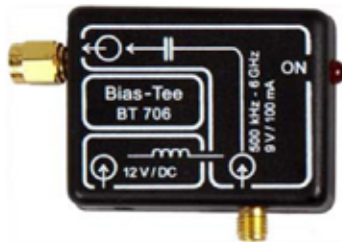
Micro probe 1 MHz up to 1 GHz

The MFA-R 0.2-75 micro probe, with its extreme small probe head, is designed for measurements of RF magnetic fields directly on an assembly, e.g. around IC pins, finest conducting paths or smallest SMD components (0603-0201).

Frequency range: 1 MHz ... 1 GHz
Resolution: 300 μm

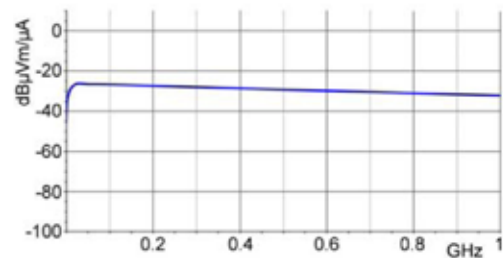


Frequency response



BT 706 bias tee

The bias tee is designed for powering the preamplifier. The preamplifier is powered via its amplifier output. The transmitted measuring signal from the amplifier output is not affected. The bias tee is inserted into the HR measuring cable of the preamplifier to the input of a spectrum analyzer or oscilloscope. It is powered by a wall plug transformer.



MFA 02 set

Micro probes 1 MHz up to 1 GHz

Frequency range: 1 MHz ... 1 GHz

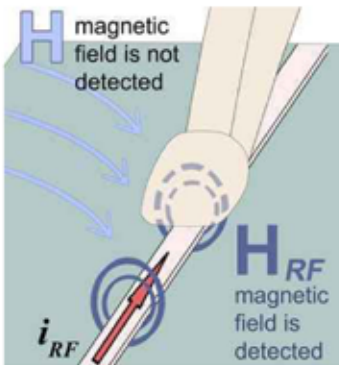
Resolution: 200 μm

- 1x MFA-R 0.2-75 (Micro probe 1 MHz up to 1 GHz)
- 1x MFA-K 0.1-30 (Micro probe 1 MHz up to 1 GHz)
- 1x BT 706 (bias tee)
- 1x SMA-SMA 1 m (SMA-SMA measurement cable)
- 1x MFA accessories (accessories)
- 1x MFA case (System case near field probes)

The two in the set included micro probes are used to measure low-frequency magnetic fields up to 1 GHz, e.g. at signal conductors (150 μm), SMD components (0603-0201) or IC pins. The MFA micro probes are guided by hand. An amplifier stage is integrated into the probe head.

The amplifier stage (9V, 100mA) is powered via the BT 706 Bias tee. It has an impedance of 50 Ohm. The micro probes are connected via the Bias tee to a spectrum analyzer or an oscilloscope.

The MFA 02 set delivery of Langer EMV-Technik GmbH includes correction lines. With the help of the correction lines the probe output voltage is converted either into the respective magnetic field or to the current which is running through the conductor.



MFA-K 0.1-30

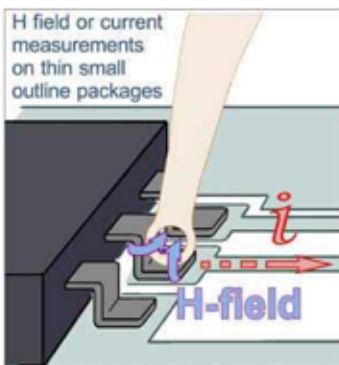
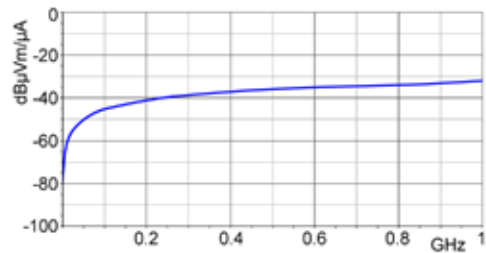
Micro probe 1 MHz up to 1 GHz

The MFA-K 0.1-30 micro probe has an extremely small probe head which functions like a coupling clamp. It allows the current measurement at finest conducting paths and IC pins. The micro probe is shielded for field lines which enter the probe head laterally.

Frequency range: 1 MHz ... 1 GHz

Resolution: 200 μ m

Connector - output: SMA, female, jack



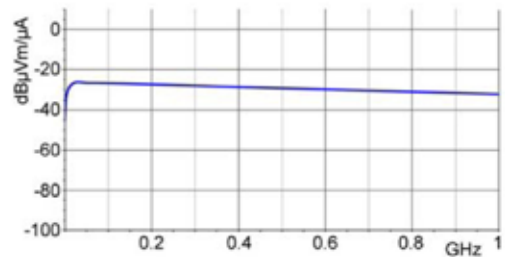
MFA-R 0.2-75

Micro probe 1 MHz up to 1 GHz

The MFA-R 0.2-75 micro probe, with its extreme small probe head, is designed for measurements of RF magnetic fields directly on an assembly, e.g. around IC pins, finest conducting paths or smallest SMD components (0603-0201).

Frequency range: 1 MHz ... 1 GHz

Resolution: 300 μ m



Frequency response



BT 706

bias tee

The bias tee is designed for powering the preamplifier. The preamplifier is powered via its amplifier output. The transmitted measuring signal from the amplifier output is not affected. The bias tee is inserted into the HR measuring cable of the preamplifier to the input of a spectrum analyzer or oscilloscope. It is powered by a wall plug transformer.

