

# LF-U 2.5

H-Field Probe 100 kHz up to 50 MHz



## Short description

The H-field probe LF-U 2.5 is a near-field probe. It is designed for the selective detection of RF current in conducting paths, SMD components and IC pins. The head of the probe has a magnetically active gap with a width of approx. 0.5 mm.

The LF-U 2.5 is a near-field probe. It functions like the LF-U 5 probe. While the LF-U 5 is suitable for larger components such as cable, connectors ect., the LF-U 2.5 is designed for SMD components and pins.

When measuring, the magnetically active gap of the probe head is positioned directly onto the measured object. The near-field probe is small and handy. It has a current attenuating sheath and, therefore, is electrically shielded. It can be connected to a spectrum analyzer or an oscilloscope with a 50  $\Omega$  input. The H-field probe does not have an internal terminating resistance of 50  $\Omega$ .

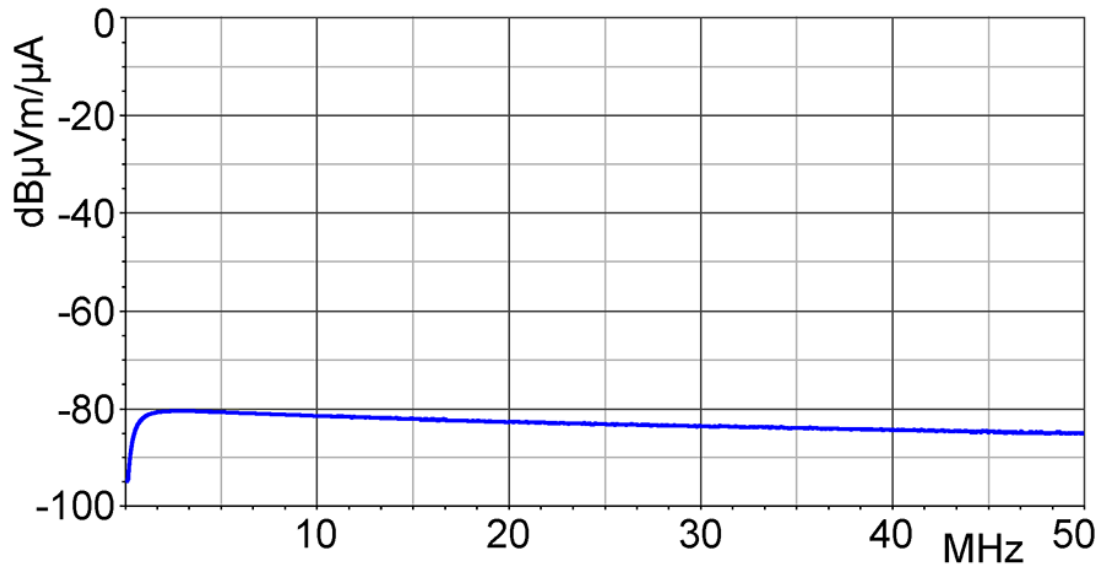
## Technical parameters

Frequency range	100 kHz ... 50 MHz
Resolution	$\approx$ 0.5 mm
Probe head dimensions	$\varnothing \approx$ 4 mm
Connector - output	SMB, male, jack
Weight	15 g

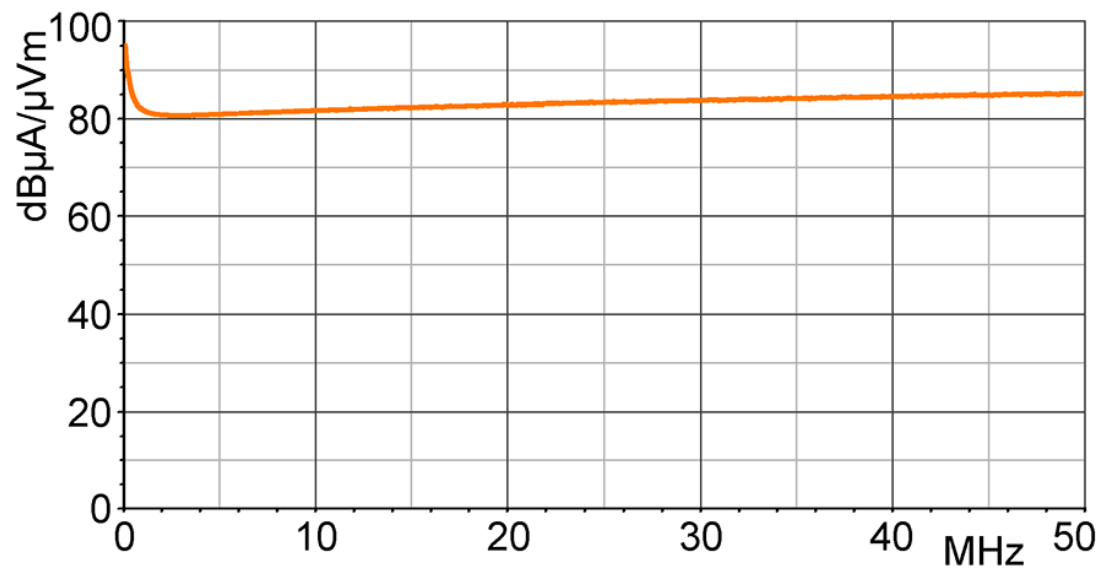
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Frequency response [dB $\mu$ V] / [dB $\mu$ A/m]



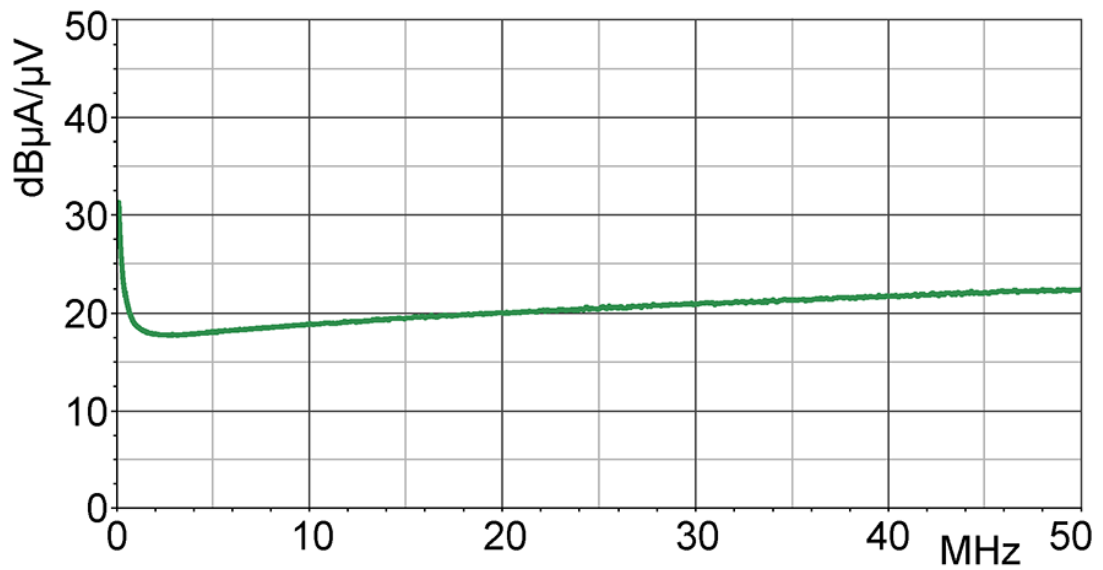
H-field correction curve [dB $\mu$ A/m] / [dB $\mu$ V]



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Current correction curve [dB $\mu$ A] / [dB $\mu$ V]



Measuring principles



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Probe head

