Set MFA 01

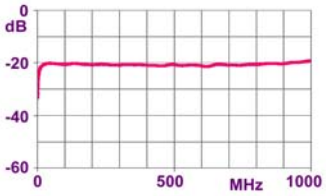
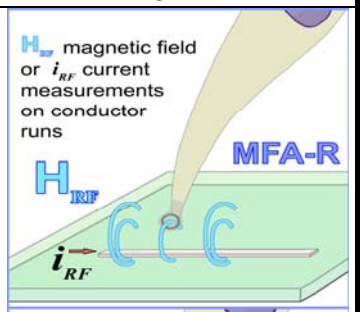
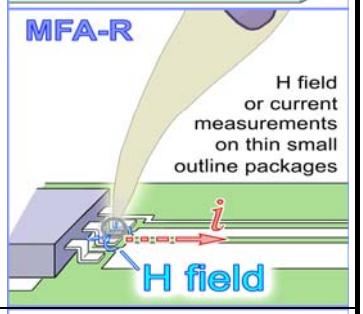
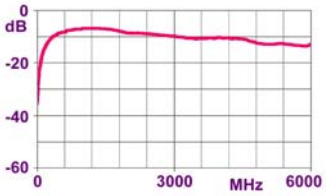
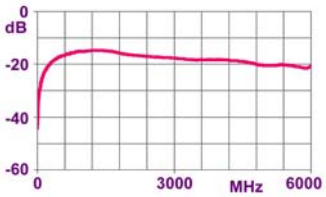
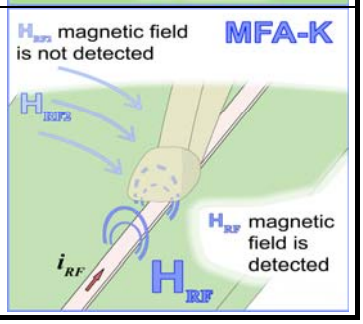
LANGER EMV-Technik

Contents:

H-field probe	MFA-R 0,2-27	1 GHz
H-field probe	MFA-R 0,2-6	6 GHz
H-field probe	MFA-K 0,1-12	6 GHz
Cable	SMA-SMA	
Bias Tee	BT 706	
Case	338x260x57 mm	

Plug-in power supply unit: 100-240 V~,50-60 Hz
Brief instructions

MICRO NEAR FIELD PROBE SET MFA 01 *1 MHZ UP TO 6 GHZ*

Characteristic	Description	Type
MFA-R 0,2-75  	**MFA-R 0,2-75 and MFA-R 0,2-6** **Resolution:** **300 µm** **Use with:** **BIAS TEE** The MFA probes have been developed for measurements on the smallest SMD components (0603-0201) on PCBs. Even very fine conductor runs and SMD or IC pins can be measured. The probe voltage can be converted into the respective magnetic field or the current flowing in the conductor with the correction data. The two MFA probes allow measurements in special frequency ranges: **MFA-R 0,2-75:** **1 MHz to 1 GHz** **MFA-R 0,2-6:** **100 MHz to 6 GHz**	 
MFA-R 0,2-6  		
MFA-K 0,1-12  	**MFA-K 0,1-12** **Resolution:** **200 µm** **Use with:** **BIAS TEE** The design of the type K MFA probe simulates a current clamp. This probe type is thus able to measure currents on fine conductor runs and IC pins. Other magnetic field components from the vicinity are ignored in detection. **Frequency range:** **100 MHz to 6 GHz**	

Active near field probes with Bias Tee

The probes in the MFA 01 set have special electrically shielded active micro probe heads which have been designed for detailed magnetic field measurements in the layout, on components and IC pins.
All micro probe heads have an integrated pre-amplifier stage. The bias tee supplies the amplifier stage with 9 V / 100 mA power. It is connected to the 50 Ω input of a spectrum analyser and comes complete with a plug-in power supply unit.

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