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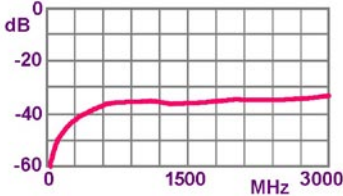
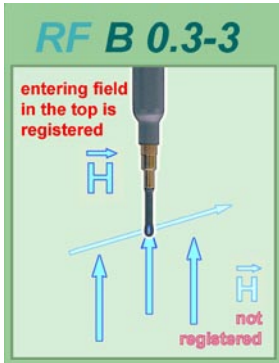
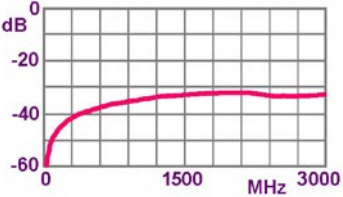
- H-field probe RF-R 0.3 - 3
- H-field probe RF-B 0.3 - 3
- Cable SMB-BNC
- Case 175x140x32 mm
- Instructions



Instructions

The probes of the RF 3mini set have special electrically screened miniature heads which are designed for detailed magnetic field measurements in the layout and component range. Magnetic fields can be measured with a resolution of under 1 millimeter for comparison purposes. The passive probes are connected to the 50 Ω input of a spectrum analyser and facilitate comparison measurements of magnetic fields and disturbance currents in the frequency range from 30 MHz to 3 GHz. With weak fields, it is recommended to use the passive probes with the 20 dB or 30 dB pre-amplifier. All probes have an excellent sheath current damping and are electrically screened.

NEAR FIELD PROBE SET RF 3mini FREQUENCY RANGE 30 MHz to 3 GHz

Application	Description	Characteristic
 <p>The diagram shows the RF-R 0.3-3 probe with its loop head. A horizontal magnetic field line is labeled 'registered' in red. A vertical magnetic field line is labeled 'not registered' in red. The probe tip is positioned to detect the horizontal field.</p>	<p>RF-R 0.3 - 3 serves the high-resolution detection of spatial RF magnetic fields. The loop opening, which is marked by a white dot, is manually turned for the recognition of field orientation and intensity. If the loop opening is orthogonally permeated by the field, a maximum can be determined. The minimum can be determined by pivoting the loop opening 90°. This allows the detection of H field distribution (orientation and intensity) by guiding the probe in the vicinity of components, between and over track runs, in the pin area of ICs, on block capacitors, EMC components, etc.</p> <p>Frequency range: 30 MHz to 3 GHz Resolution approx. < 1 mm</p>	 <p>The graph shows the frequency response of the RF-R 0.3-3 probe. The y-axis is labeled 'dB' and ranges from -60 to 0. The x-axis is labeled 'MHz' and ranges from 0 to 3000. The curve starts at -60 dB at 0 MHz, rises to approximately -40 dB by 100 MHz, and remains relatively flat between -35 dB and -40 dB up to 3000 MHz.</p>
 <p>The diagram shows the RF-B 0.3-3 probe with its point head. A vertical magnetic field line is labeled 'entering field in the top is registered' in red. A horizontal magnetic field line is labeled 'not registered' in red. The probe tip is positioned to detect the vertical field.</p>	<p>RF-B 0.3 - 3 detects a magnetic field, which enters the probe point vertically. It is therefore suitable for pinpoint detection of RF magnetic fields, which are emitted by surfaces. For this, the probe point is applied to the surface in question. Due to its very small construction, magnetic field distributions of under 1 millimeter can be resolved on IC housings and PCB surfaces, for example. The probe enables measurement in hard-to-reach places, such as between components.</p> <p>Frequency range: 30 MHz to 3 GHz Resolution approx. < 1 mm</p>	 <p>The graph shows the frequency response of the RF-B 0.3-3 probe. The y-axis is labeled 'dB' and ranges from -60 to 0. The x-axis is labeled 'MHz' and ranges from 0 to 3000. The curve starts at -60 dB at 0 MHz, rises to approximately -40 dB by 100 MHz, and remains relatively flat between -35 dB and -40 dB up to 3000 MHz.</p>