

# RFS-B 3-2

Scanner Probe 30 MHz up to 3 GHz



## Short description

The measurement coil of the RFS-B 3-2 H-field scanner probe is arranged orthogonally to the probe shaft. This allows the probe head to be positioned very close to the assembly and to achieve a strong coupling. The RFS-B 3-2 detects magnetic field lines, which exit the measuring object orthogonally. Magnetic field lines which enter the probe laterally are not detected.

The RFS-B 3-2 is a passive near-field probe. Positioning the probe head vertically on the PC board sets the measuring coil directly onto the surface. This allows for measurements at hard-to-reach spots, e.g. between large components of on/off-controllers. The near-field probe has a sheath current attenuation and is electrically shielded. It can be connected to a spectrum analyzer or an oscilloscope with a 50  $\Omega$  input. It does not have an internal terminating resistance.

## Technical parameters

|                       |                    |
|-----------------------|--------------------|
| Frequency range       | 30 MHz ... 3 GHz   |
| Probe head dimensions | $\varnothing$ 2 mm |
| Connector - output    | SMA, male, plug    |
| Length                | $\approx$ 55 mm    |

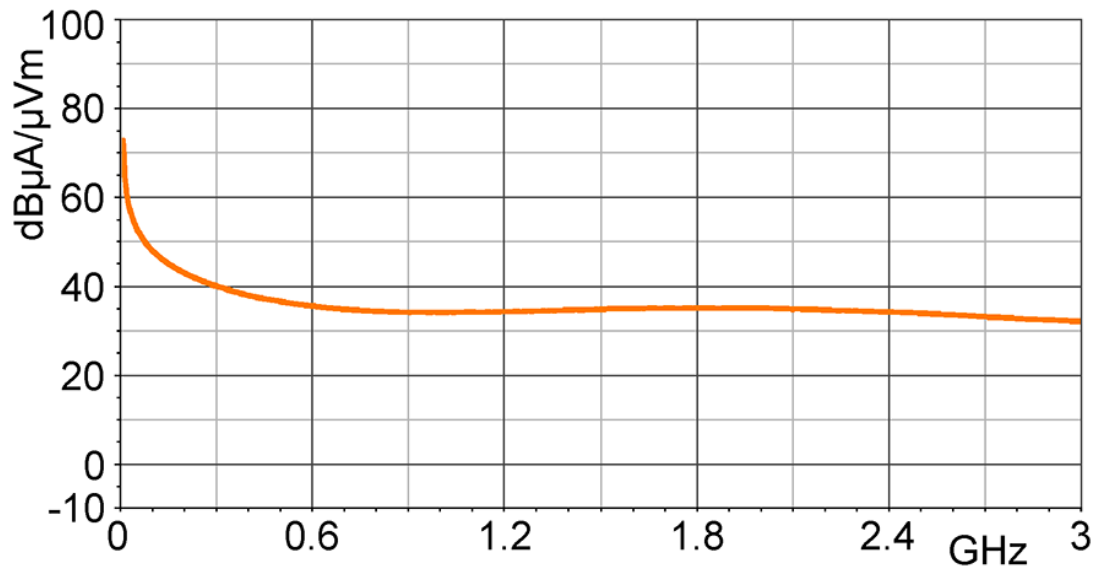
## Frequency response



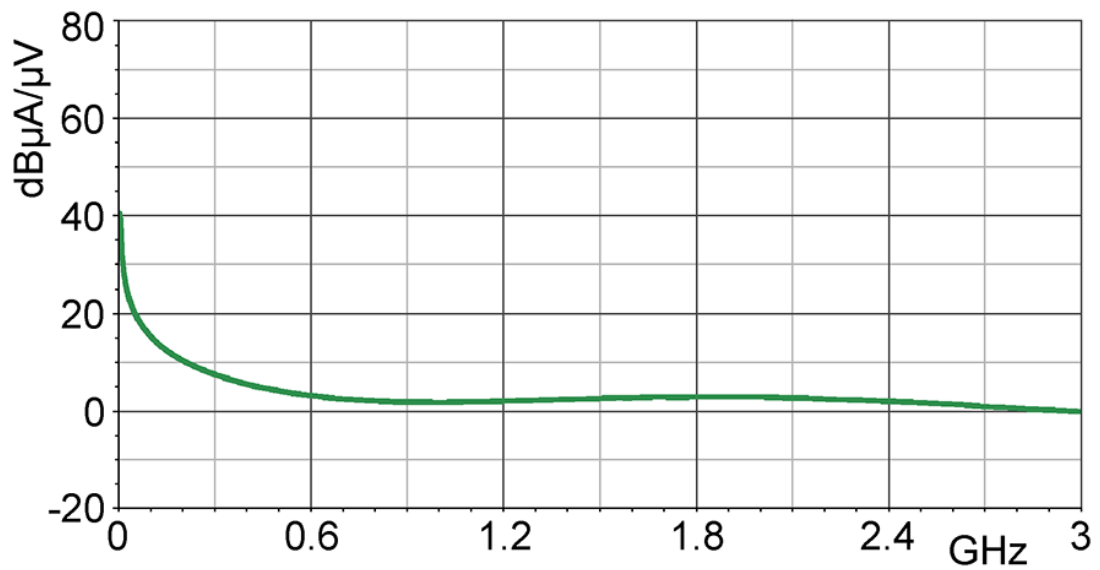
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H-field correction curve [dB $\mu$ A/m] / [dB $\mu$ V]



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



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## Measuring principles

