

# RF-E 02

E-Field Probe 30 MHz up to 1.5 GHz



## Short description

The RF-E 02 near-field probe detects electrical fields that are decoupled from bus structures, larger components or supply surfaces. The electrode surface on the underside of the probe tip is approx. 2 cm x 5 cm. The probe functions best within distances of 1 cm - 2 cm from the component.

The RF-E 02 is a passive near-field probe. In principle it has the same structure as the RF-E 05 and RF-E 10 probes. When measuring, the bottom surface of the probe head is positioned close to the measured object. This allows the E-field emitted by an assembly to be detected. To achieve a higher resolution, only the tip of the probe head should be held toward 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 Ω input. The H-field probe does not have an internal terminating resistance of 50 Ω.

## Technical parameters

|                       |                  |
|-----------------------|------------------|
| Frequency range       | 30 MHz - 1.5 GHz |
| Probe head dimensions | ≈ (23 x 53) mm   |
| Connector - output    | SMB, male, jack  |

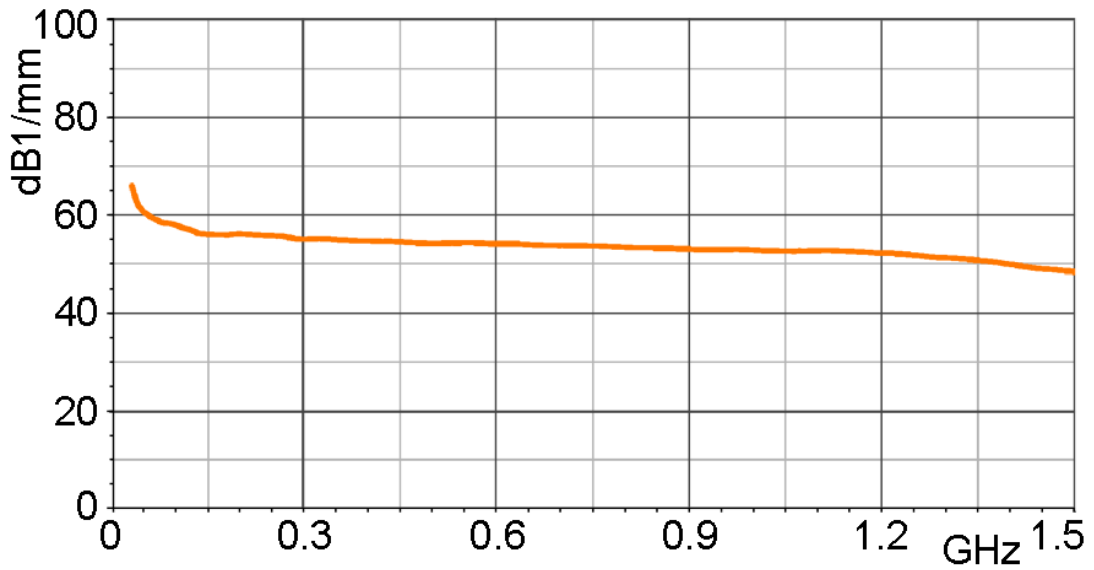
Frequency response [dBμV] / [dBμV/mm]



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E- field correction curve [dB $\mu$ V/mm] / [dB $\mu$ V]



Measuring principles



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Probe head

