

Probe 1601

RF magnetic field probe RF magnetic field measurement

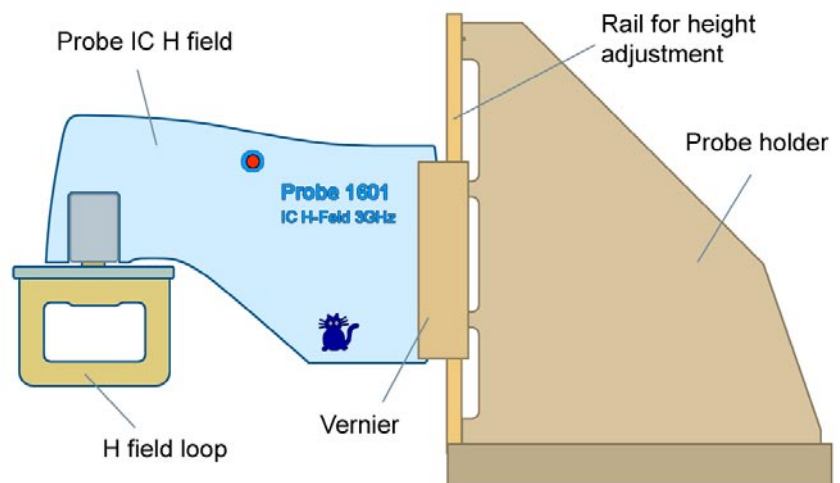


Application:

RF measurement of magnetic near-field (H-field) over an IC. The voltage measured by the probe is an indicator for the emission from the IC which were stimulated by the H-field.

Properties:

The probe has a 50 Ω output which is connected to an magnetic field loop. The loop is rotatable, adjustable in height and exchangeable.



Transfer factor V_{out}/V_{in} of the probe	approx. 30 dB (see frequency response)
Frequency range of the internal amplifier	16 kHz – 3 GHz (see frequency response)
Frequency range with H16-02 loop	120 MHz – 3 GHz, < 120 MHz see correction curve
RF measuring output	50 Ω (SMB)
-1 dB compression point	120 dBμV
IP3	134 dBμV
Noise figure	4.5 dB
Supply voltage	12 V / DC
H-field loop dimension	30 mm x 20 mm

General frequency responses

