

# P622

RF Current Probe 0.1 Ohm active



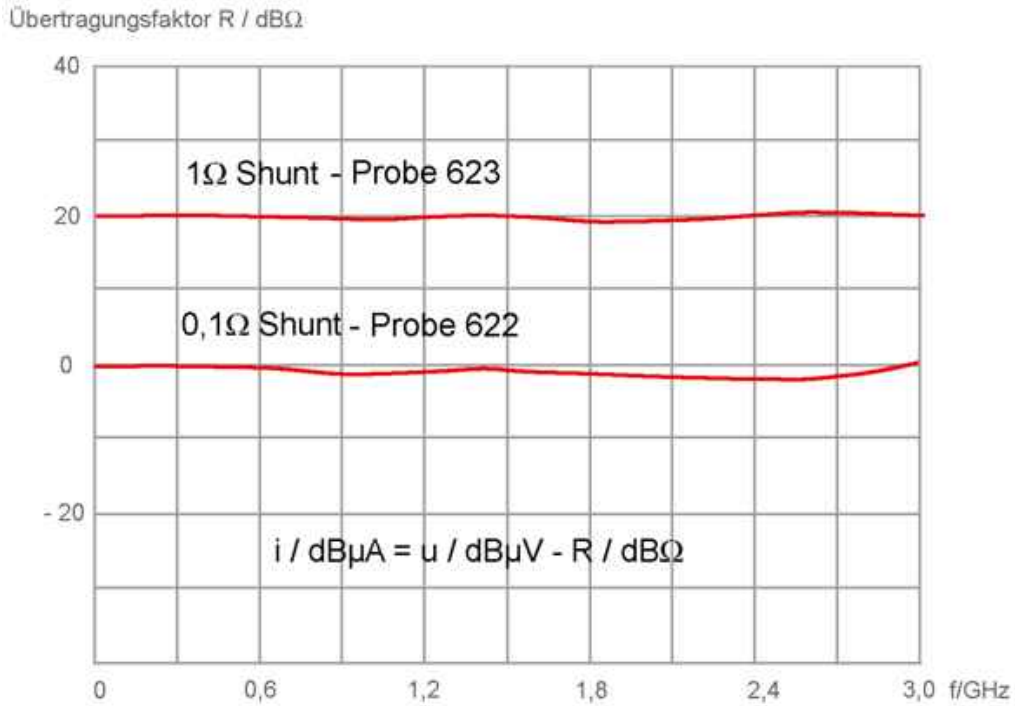
## Short description

The P622 is a 0.1 ohm probe with an integrated preamplifier for direct measurement of high frequency (RF) current at IC pins. The measurement error, which is due to the very small resistance, is lower compared to P603. It is designed to measure supply pins (Vdd / Vss) and signal pins.

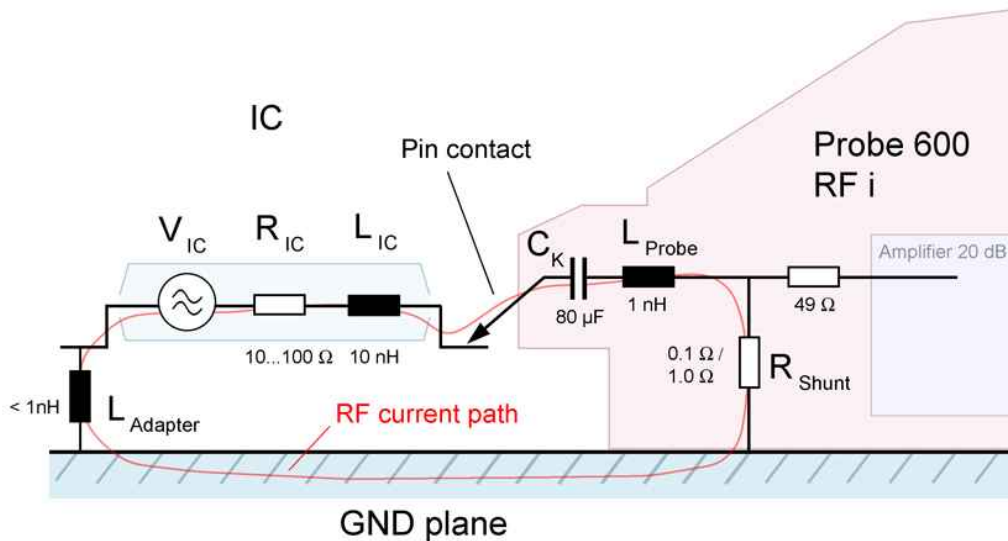
## Technical parameters

Frequency range	9 kHz ... 3 GHz
Coupling capacity	8 $\mu$ F
Transfer factor voltage	20 dB
Ammeter /current probe	
-1 dB compression point (output)	120 dB $\mu$ V
IP3	134 dB $\mu$ V
Measurement output	50 $\Omega$ , SMB
Noise figure	3.7 dB
Shunt	0.1 $\Omega$
Current correction factor R	0 dB $\Omega$
Inductance	1 nH
Supply voltage	12 V / DC
Max. power dissipation	2.5 W

### Frequency response



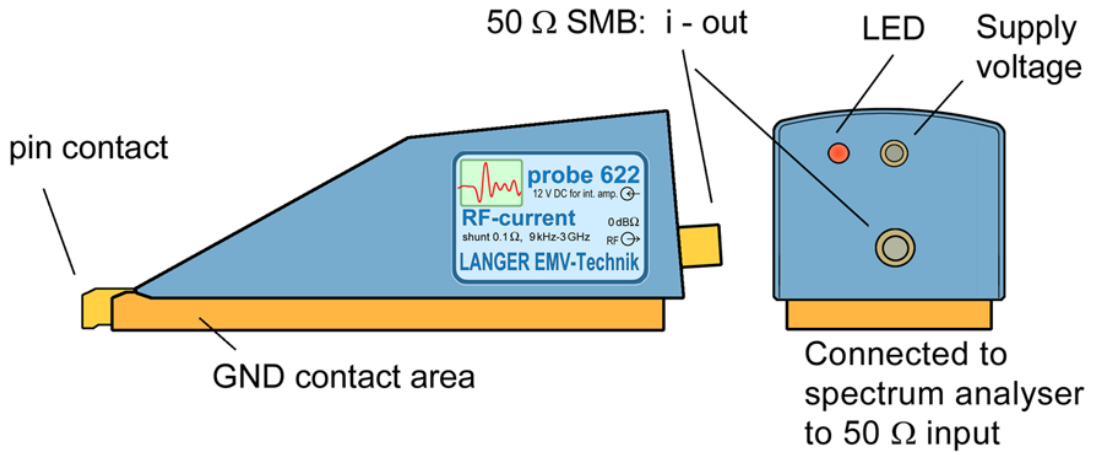
### Equivalent circuit



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Design, view 1



Application with P622

