

# P623

RF Current Probe 1 Ohm active



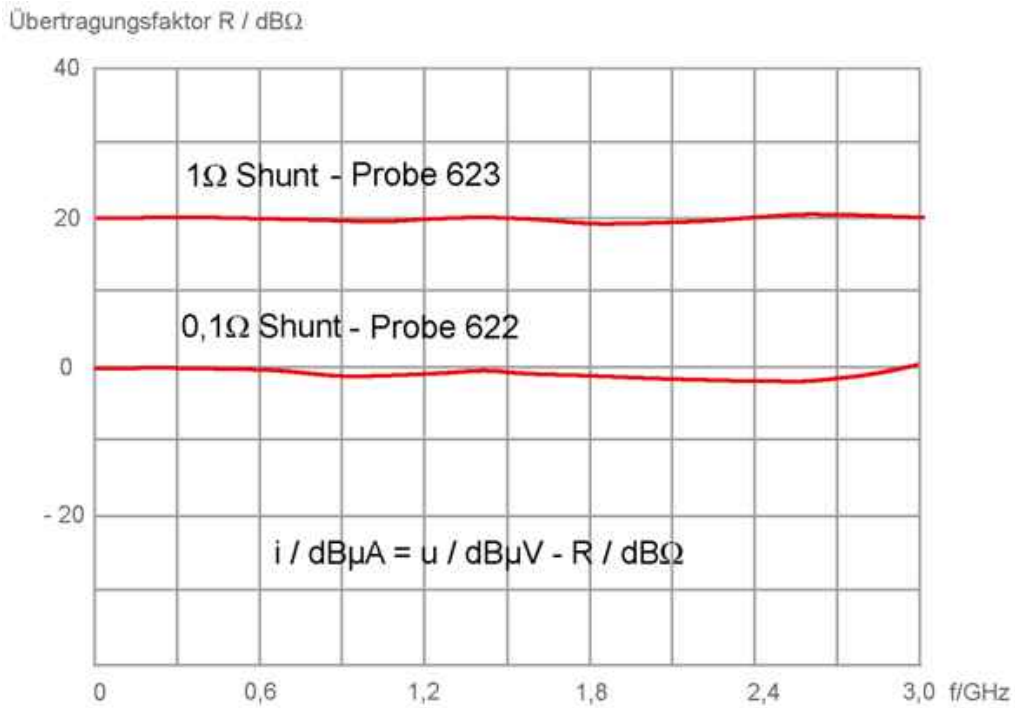
## Short description

The P623 is a 1 ohm probe for direct measurement of high frequency (RF) current at IC pins. It is used to measure at supply pins (Vdd / Vss) and signal pins. The 1 ohm RF current probe has a pin contact with which IC pins can be separately contacted and measured.

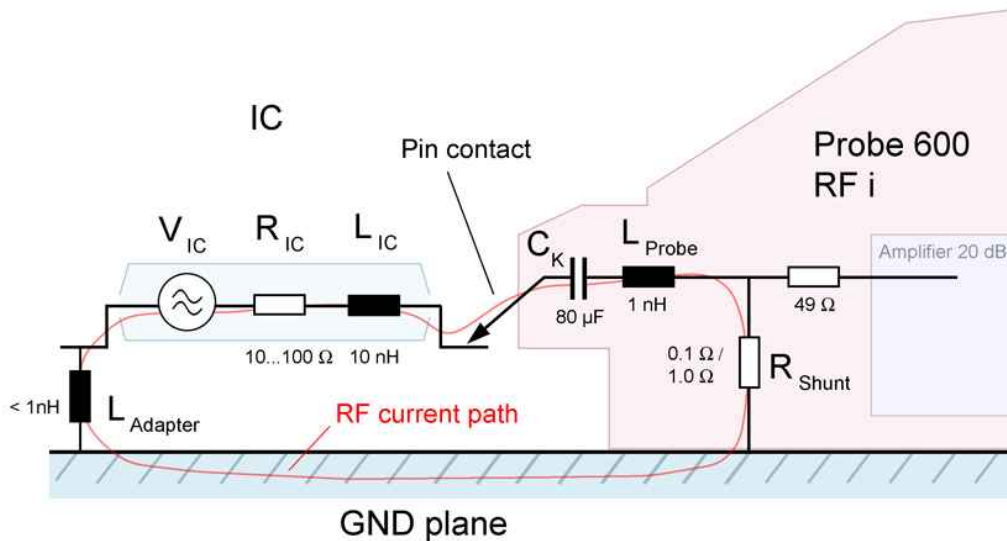
## Technical parameters

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	1 $\Omega$
Current correction factor R	20 dB $\Omega$
Inductance	1 nH
Supply voltage	12 V / DC
Max. power dissipation	2.5 W

## Frequency response



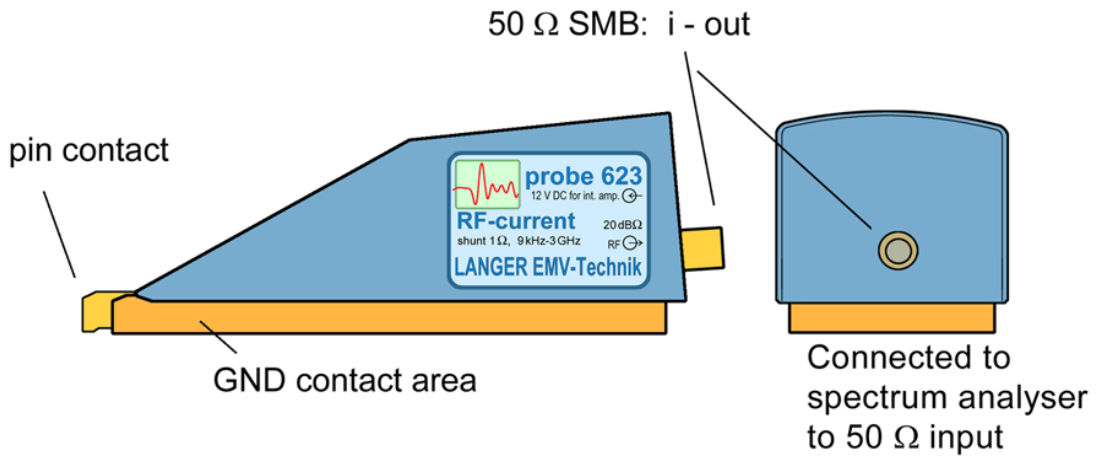
## Equivalent circuit



# P623

RF Current Probe 1 Ohm active

Design, view 1



Application with P623

