

P623

RF Current Probe 1 Ohm active



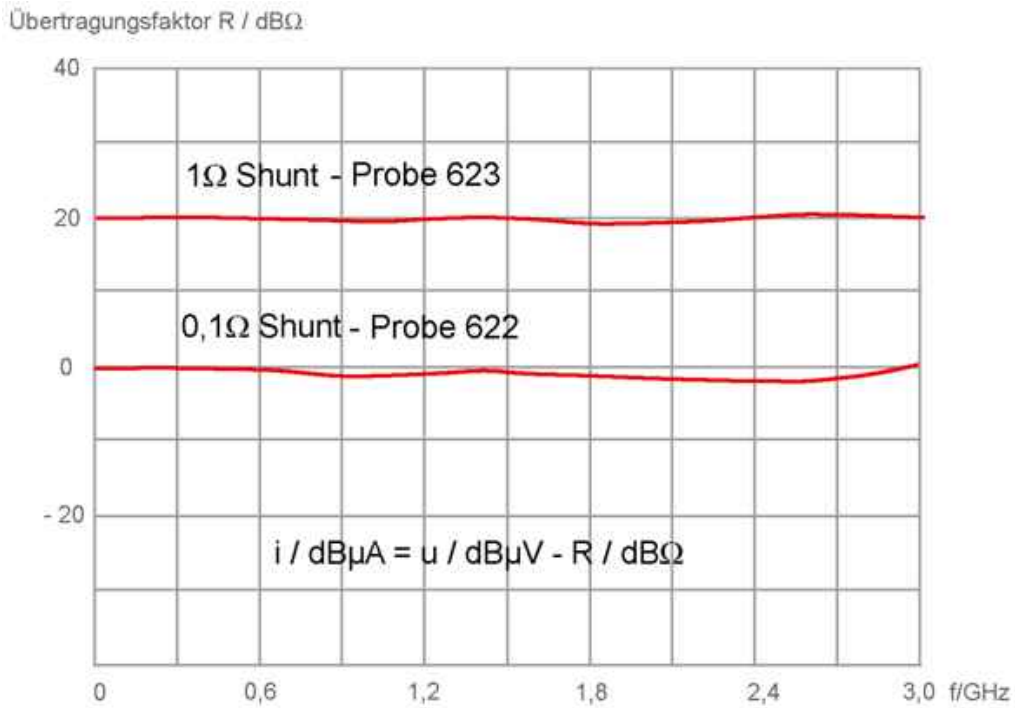
Short description

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.

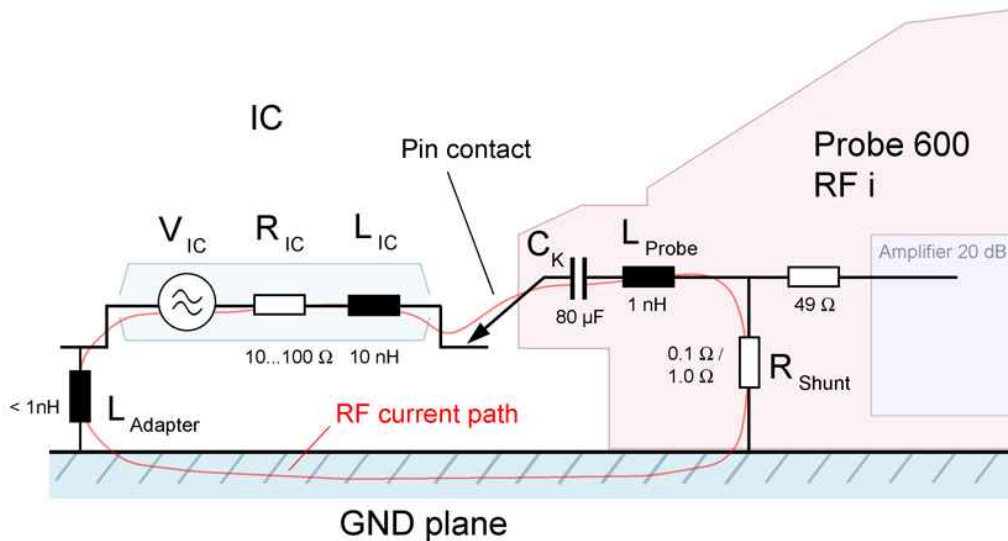
Technical parameters

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

Frequency response



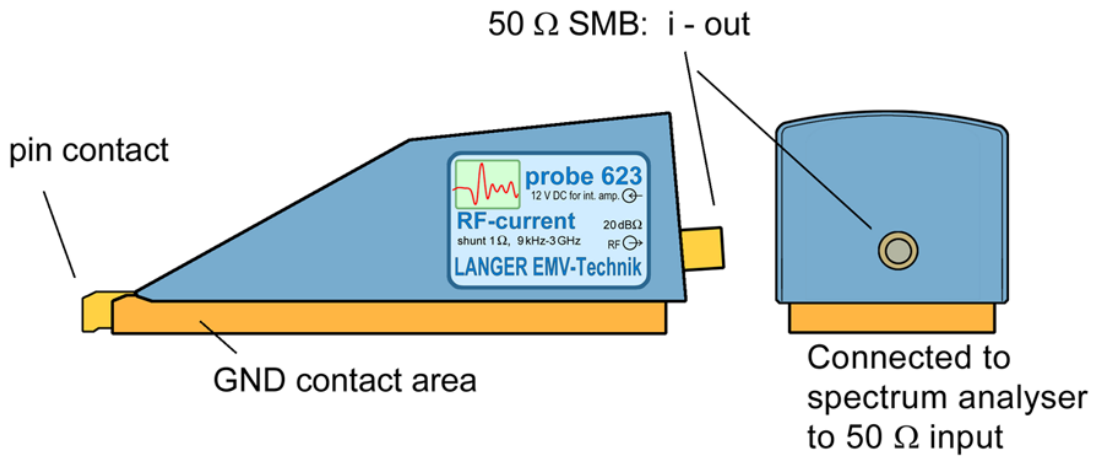
Equivalent circuit



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Design, view 1



Application with P623

