# **PCB Test Probe: ProMic**

#### **Key Specifications**

- \* Easy handling broadband 50Ωprobe for hand-application on PCB
- Ideal for tests on microstrip lines
   up to 100W
- Thin microstrip lines such as
  0.2mm can be tested, also
- High power throughput
- \* Extremely long lifespan



Fig.1: Novel PCB test probe ProMic from HHF

# **Product Description**

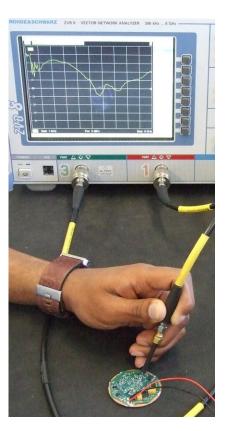
This PCB test probe from HHF allows easy and quick broadband measurements on microwave circuits up to 4 GHz and higher.

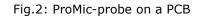
This hand-probe is a cheap alternative for high impedance probes for time-domain measurements. Also spectrum analyzer and network analyzer measurements will be supported. This probe allows the measurements of one component of a multi-stage or multi-component design in  $50\Omega$ -environment.

The very robust design of the ProMic-probe guarantees a long working life. Thin as well as wide microstrip lines can be easily measured. This model NA-PR1 supports SG-contacts.

## **Technical Data**

Electrical Characteristics	
50 Ω	
DC to 4 GHz	
≥20 dB to 1.5 GHz	
≥10 dB to 4 GHz	
≤0.6 dB to 4 GHz	
100 W	
Mechanical Characteristics	
Copper	
RF Dielectric	
SMA (m)	
max. 0.6 Nm	
Environment Data	
-65°C to +165°C	





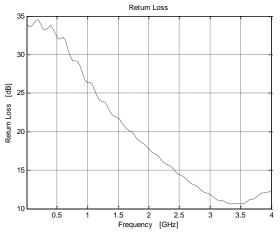


Fig.3: Matching of the Probe on an PCB

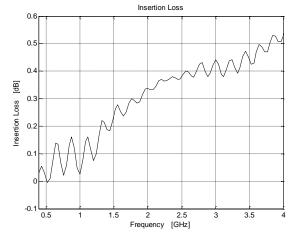


Fig.4: Transmission loss of the Probe

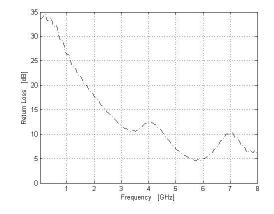
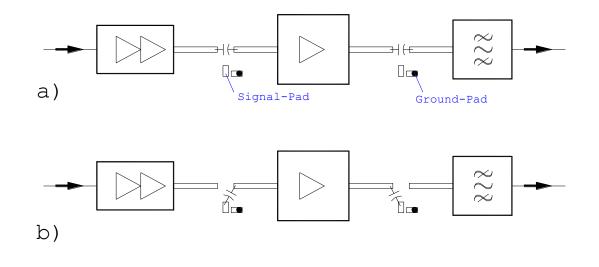
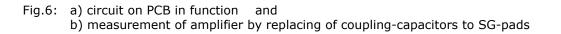


Fig.5: Matching of the probe on an PCB up to 8 GHz

#### Application





Additionally, you can set the ProMic directly on a 50 $\Omega$ -line, by allowing mismatch. This is useful to control the power/ functionality of the components of a TX- or RX-chain.

## **Ordering number**

Model: NA-PR1

#### **Contact information**

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