

# Probe DATASHEET



GSG 50Ω, 1.0mm Connector,  
DC-110GHz,150μm

**GPB110-GSG-150**

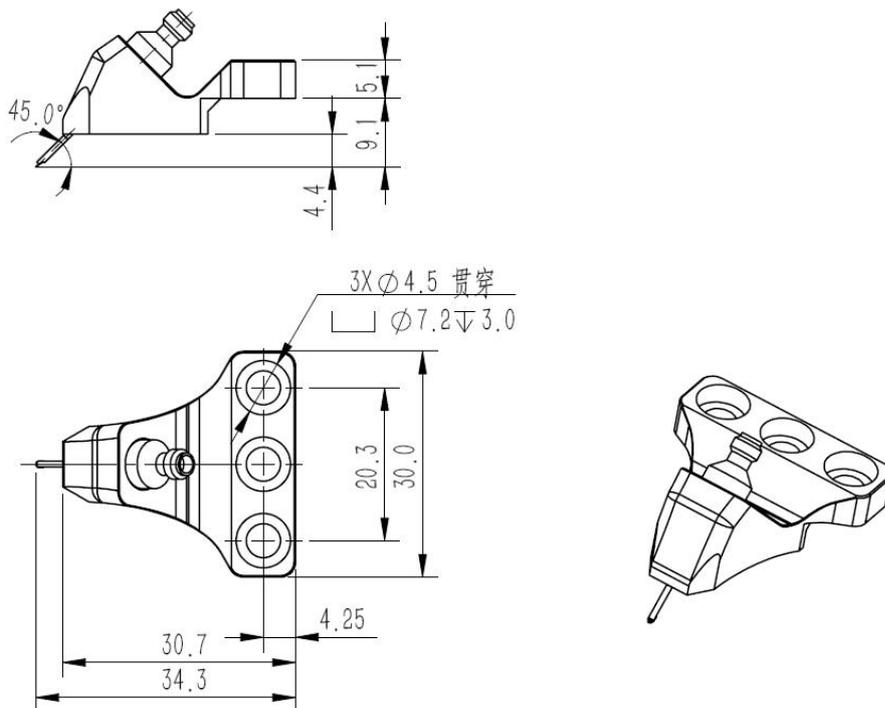
## Electrical Specifications

Frequency Range (GHz)	DC ~ 110
Impedance (Ω)	50
Insertion Loss (dB)	<1.3
Return Loss (dB)	>12
Tip Configuration	GSG
Pitch (μm)	150
Tip Width (μm)	30
Overtravel (μm)	20-60
Skating Distance (μm)	10-30

## Mechanical Specifications

Connector Type	1.0mm Female
Operating Temperature	-40°C~+175°C
Tip Material	Nickel Alloy

## Outline Drawing



Dimensions are in mm

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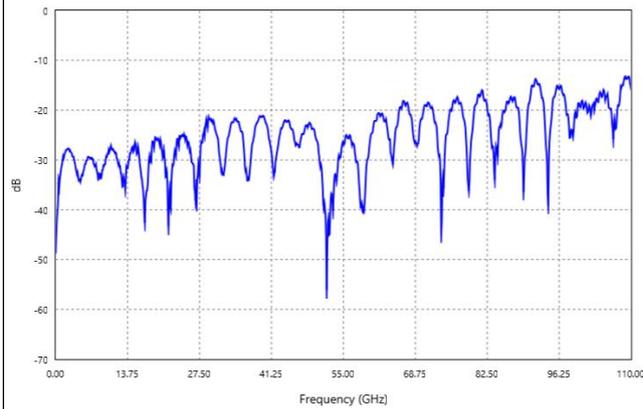


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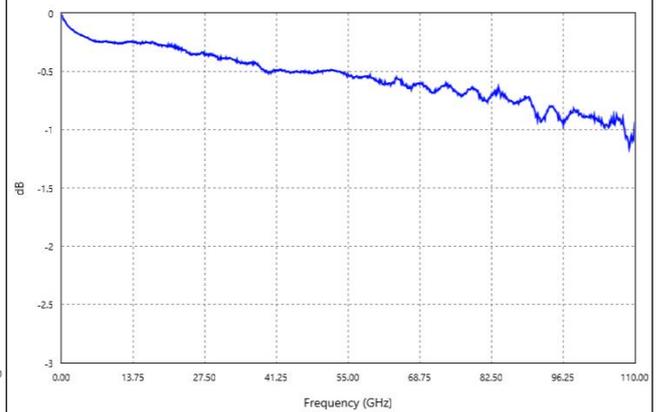
## Test data

S11 FORWARD REFLECTION



Minimum return loss for this probe is -13.21dB

S21 FORWARD TRANSMISSION



Maximum insertion loss for this probe is -1.15dB