DC~67GHz GSSG Probe

Model:VST-67G-GSSG-XXX-LF （XXX=Pitch range:μm)

Product Overview

The VST-67G-GSSG-XXX-LF is an advanced millimeter-wave differential probe covering DC to 67 GHz. It combines the precision of the AQUILA Series 10μm tips with a GSSG footprint to support high-bandwidth balanced measurements. Featuring dual 1.85mm (V) female connectors, this probe delivers exceptional signal fidelity for next-generation 5G mmWave components and ultra-high-speed differential circuits.



Key Features

- Tip Array: Four 10μm width tips for high-density layouts.
- mmWave Interface: Dual 1.85mm (V) female connectors; DC to 67 GHz.
- Phase Matching: Tight electrical length control between signal paths.
- RF Performance: Low insertion loss and minimal parasitic induction.
- Alignment: Slim-line design for high-magnification optical access.

Typical Applications

- 5G mmWave (28/39 GHz) differential IC characterization.
- High-speed SerDes testing for 112G Ethernet applications.
- Balanced device modeling and transceiver verification.

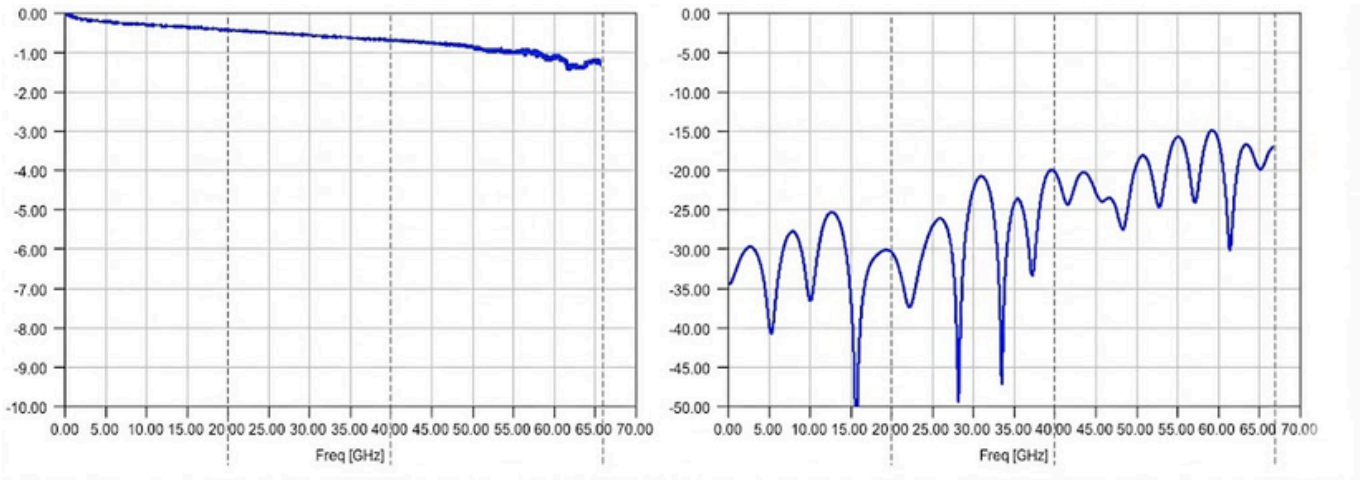
Typical Electrical Characteristics

Frequency range	DC-67GHz
Insertion loss	Spec:<2.0dB
Return loss	Spec:>12dB
Impedance	100Ω
DC current	≤1A
DC voltage	≤100V
RF power	≤5w

Mechanical Characteristics

Connector	1.85mm Female
Tip configurations	GSSG
Connector angle	45-degree
Pitch range	100μm-1250μm or customized
Standard pitch step	25μm
Tip size	
from 100 um to 250 um	10μm
from 300 um to 1250 um	10μm

Typical Electrical Characteristics: DC~67 GHz GSSG Probe-LF



Ordering Information

Model format

VST-67G-GSSG-XXX-LF

Where:

- 67G = frequency range (DC–67 GHz)
- GSSG = tip configuration
- XXX = pad pitch in microns
- LF = AQUILA Series

Example:VST-67G-GSSG-150-LF (67 GHz AQUILA Series GSSG probe with 150 µm pitch)

Custom versions are available upon request (special pitch, angle, or connector).

Recommended Accessories

- Calibration substrates (SOLT / LRM compatible)
- RF cables and adapters
- Probe positioners and probe stations
- Cleaning kits and spare tips

Handling & Usage Notes

- Always perform calibration at the probe tip for best accuracy
- Avoid excessive force to preserve tip alignment
- Keep contact surfaces clean to maintain low contact resistance
- Store probes in protective cases when not in use

Contact & Support

For quotations, technical support, or customization requests:

Vinstronics

Email: sales@vinstronics.com

Website: www.vinstronics.com/rf-probe/