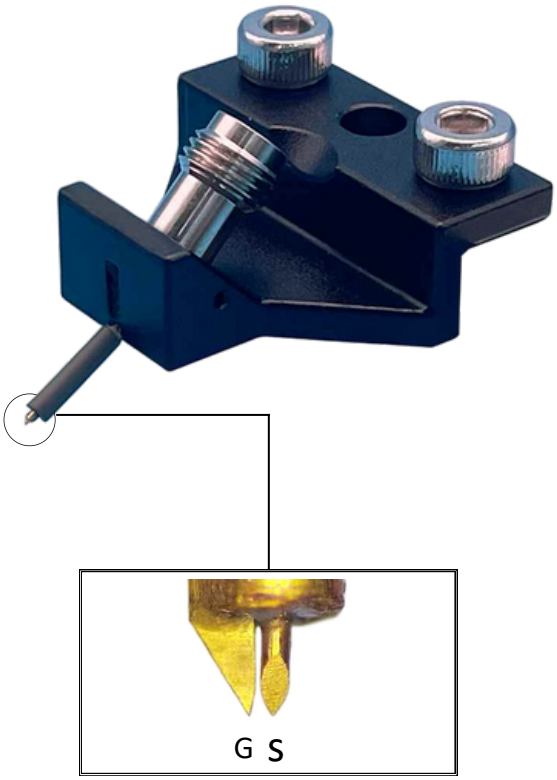
DC~67GHz GS Probe

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

Product Overview

The VST-67G-GS-XXX-LF is a specialized millimeter-wave (mmWave) probe optimized for the DC to 67 GHz range. Featuring the AQUILA Series 10μm tip technology, it ensures precise electrical contact on compact semiconductor structures. Utilizing a high-bandwidth 1.85mm (V) female connector and a GS configuration, this probe delivers exceptional signal integrity and low insertion loss, making it a reliable solution for high-frequency device characterization where space or pad geometry is a constraint.



Key Features

- Tip: 10μm width tip; fine-pitch (XXX) compatibility.
- Interface: 1.85mm (V) female; DC to 67 GHz.
- Compactness: Ideal for restricted probe station real estate.
- Integrity: Optimized transitions for minimal parasitic induction.
- Durability: Hardened alloy tips for consistent repeatability.

Typical Applications

- 5G mmWave component testing (28/39/60 GHz).
- Characterization of GaAs, GaN, and InP devices.
- High-frequency signal integrity and failure analysis.

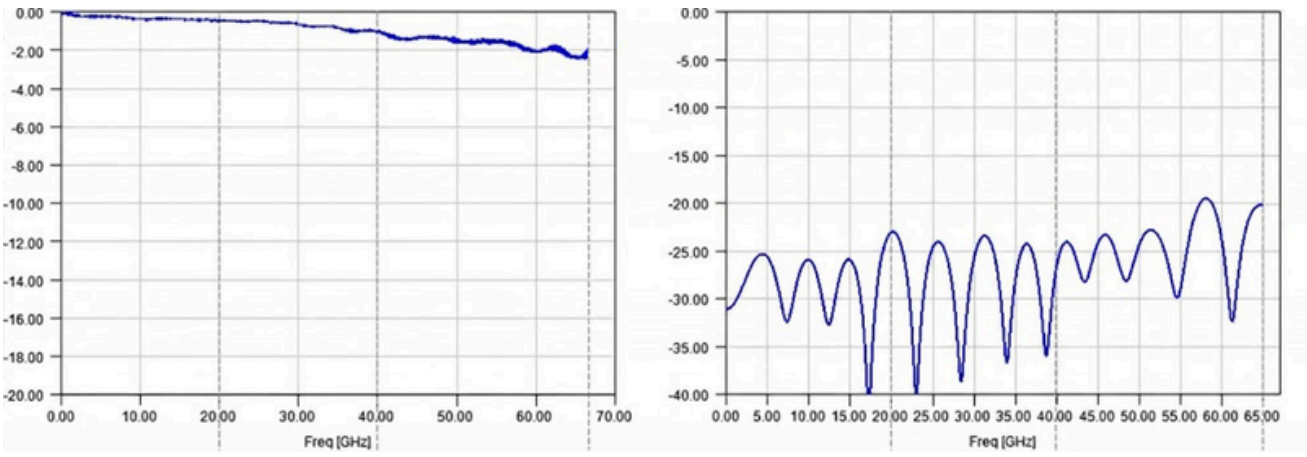
Typical Electrical Characteristics

Frequency range	DC-67GHz
Insertion loss	Spec:<3.0dB
Return loss	Spec:>12dB
Impedance	50Ω
DC current	≤1A
DC voltage	≤100V
RF power	≤5w

Mechanical Characteristics

Connector	1.85mm Female
Tip configurations	GS/SG
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 GS Probe-LF



Ordering Information

Model format

VST-67G-GS-XXX-LF

Where:

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

Example:VST-67G-GS-150-LF (67 GHz AQUILA Series GS 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/