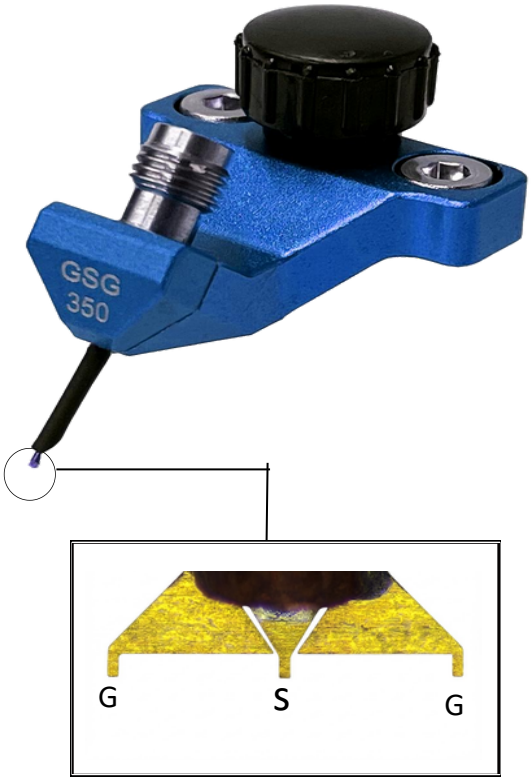
DC~67GHz GSG Probe

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

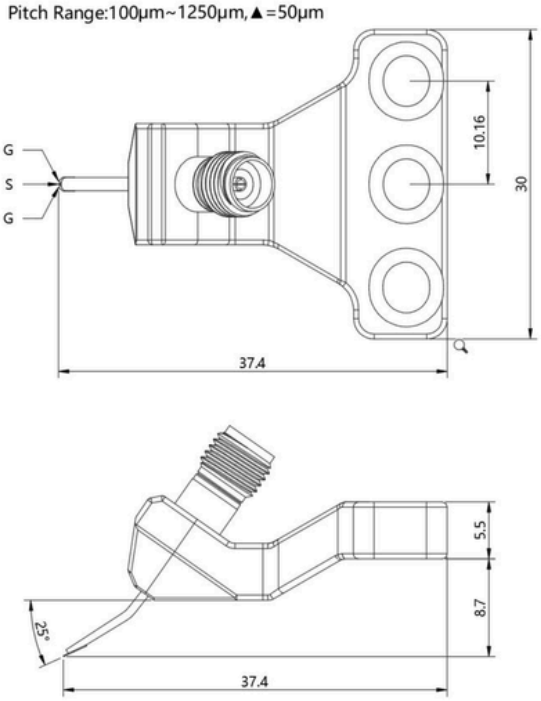
Product Overview

The Vinstronics VST-67G-GSG is a high-precision mmWave probe engineered for ultra-accurate measurements up to 67 GHz. It is specifically designed for 5G/6G research and high-speed device characterization, offering exceptional impedance stability and superior contact repeatability for advanced semiconductor test environments.



Key Features

- mmWave Ready: DC–67 GHz performance for high-frequency testing.
- Optimized Loss: Ultra-low insertion loss and excellent return loss.
- Signal Integrity: Precision GSG layout to minimize reflection.
- Pitch Range: 100 μm – 1250 μm (Custom options available).
- Tip Tech: Durable design ensuring low contact resistance.
- Integration: Compatible with high-performance VNAs and ISS.



Typical Applications

- Wafer-level mmWave device testing (5G / 6G).
- 67 GHz IC and MMIC characterization.
- High-speed digital interconnect (SI) evaluation.
- RF front-end and transceiver verification.
- Advanced failure analysis and engineering debug.

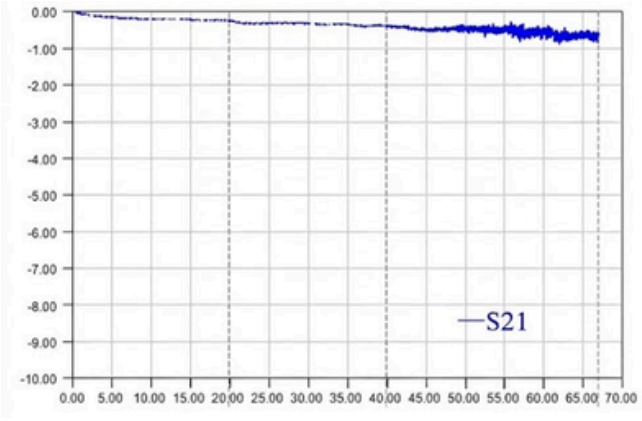
Typical Electrical Characteristics

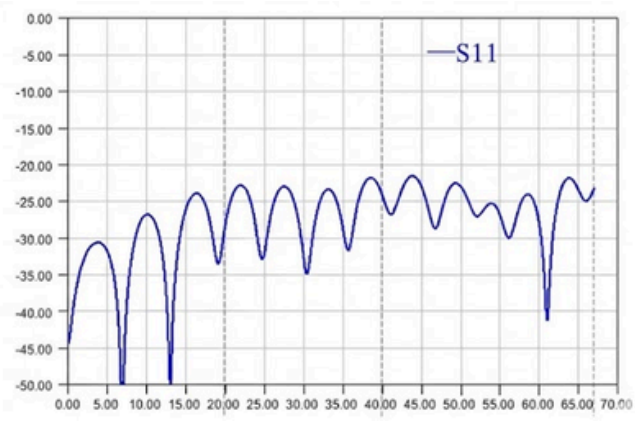
Frequency range	DC-67GHz
Insertion loss	Spec:<1.1dB
Return loss	Spec:>14dB
Impedance	50Ω
DC current	≤1A
DC voltage	≤100V
RF power	≤5w

Mechanical Characteristics

Connector	1.85mm Female
Tip configurations	GSG
Connector angle	45-degree
Pitch range	100μm-1250μm or customized
Standard pitch step	50μm
Tip size	
from 100 um to 250 um	25μm
from 300 um to 1250 um	50μm

Typical Electrical Characteristics: DC~67 GHz GSG Probe 150 micron pitch





Ordering Information

Model format

VST-67G-GSG-XXX

Where:

- 67G = frequency range (DC–67 GHz)
- GSG = tip configuration
- XXX = pad pitch in microns

Example:

VST-67G-GSG-150

(67 GHz GSG 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/