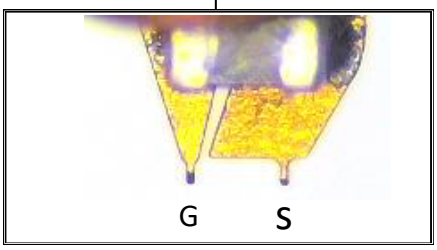
DC~67GHz GS Probe

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

Product Overview

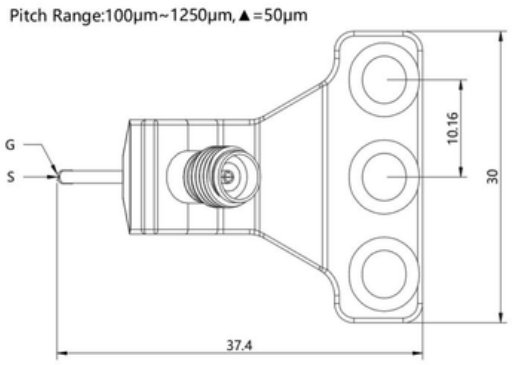
The Vinstronics VST-67G-GS is a high-performance mmWave probe engineered for ultra-accurate measurements up to 67 GHz. Designed for advanced 5G/6G research, this GS probe provides the precision needed for high-frequency testing where a GSG layout is not feasible. It combines exceptional impedance stability with ultra-low insertion loss to ensure high-fidelity signal acquisition.

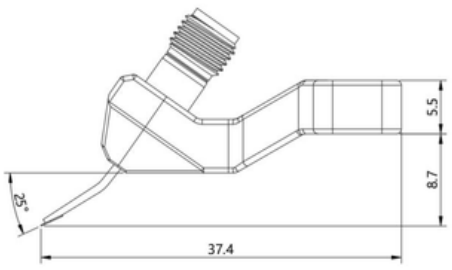




Key Features

- mmWave Precision: Engineered for high-frequency GS probing up to 67 GHz.
- Low Signal Distortion: Optimized tip geometry for minimal reflection and loss.
- Stable Contact: Enhanced tip technology for low and repeatable contact resistance.
- Pitch Versatility: Micro-pitch options from 100 μm to 1250 μm (Custom options available).
- Integrated Design: Compact form factor suitable for multi-probe setups.
- System Compatibility: Seamless integration with high-performance VNAs.





Typical Applications

- Wafer-level mmWave device testing (5G/6G).
- High-speed digital and serial link evaluation.
- Multi-port device testing where space is limited.
- Advanced academic and quantum system research.

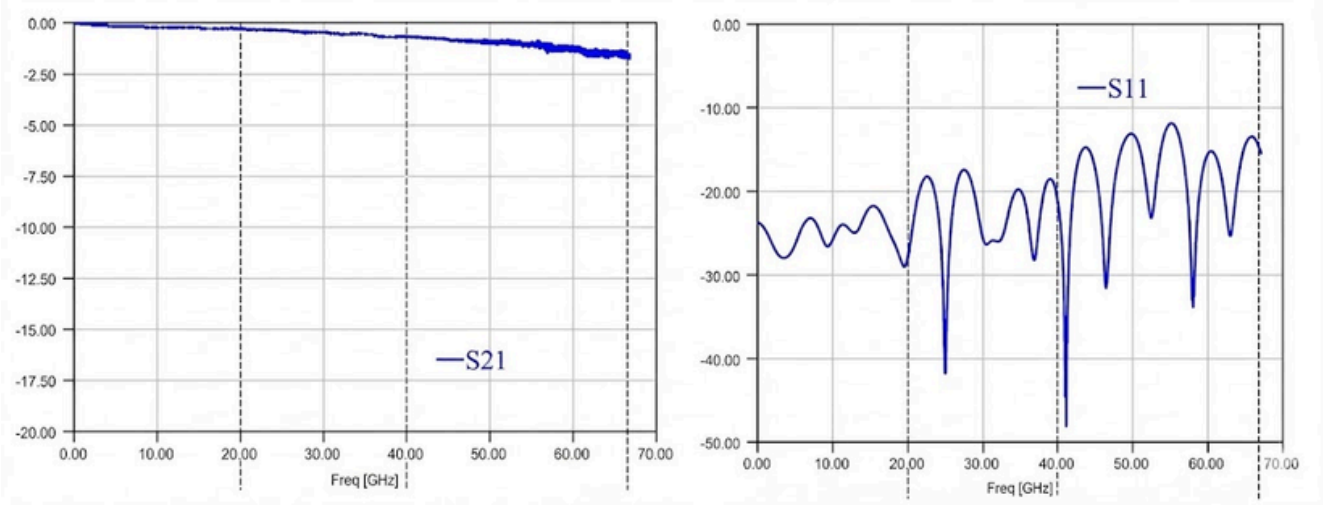
Typical Electrical Characteristics

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	50μm
Tip size	
from 100 um to 250 um	25μm
from 300 um to 1250 um	50μm

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



Ordering Information

Model format

VST-67G-GS-XXX

Where:

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

Example:

VST-67G-GS-150

(67 GHz 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/