DC~67GHz GSGSG Probe

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

Product Overview



The VST-67G-GSGSG-XXX-LF is a high-frequency multi-port probe designed for the DC to 67 GHz range. Its GSGSG configuration offers an additional ground shield between signal lines, ensuring maximum isolation for sensitive differential or dual-path measurements. Part of the AQUILA Series, it leverages 10μm wide tips and 1.85mm (V) female connectors to provide a high-fidelity interface for advanced millimeter-wave semiconductor testing.

Key Features

- Max Isolation: Shielded signal paths to eliminate coupling at 67 GHz.
- Tip Geometry: Five 10μm width tips; customizable pitch (XXX).
- Interface: Dual 1.85mm (V) female connectors.
- Mechanical: Hardened alloy tips for stable, high-cycle testing.
- Signal Path: Resonance-free design across the full bandwidth.

Typical Applications

- Multi-port mmWave IC characterization and failure analysis.
- Crosstalk-sensitive high-speed digital interface testing.
- Differential signal integrity analysis up to 67 GHz.

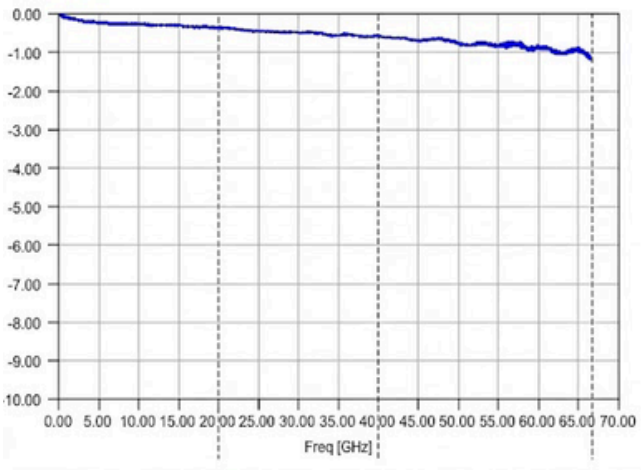
Typical Electrical Characteristics

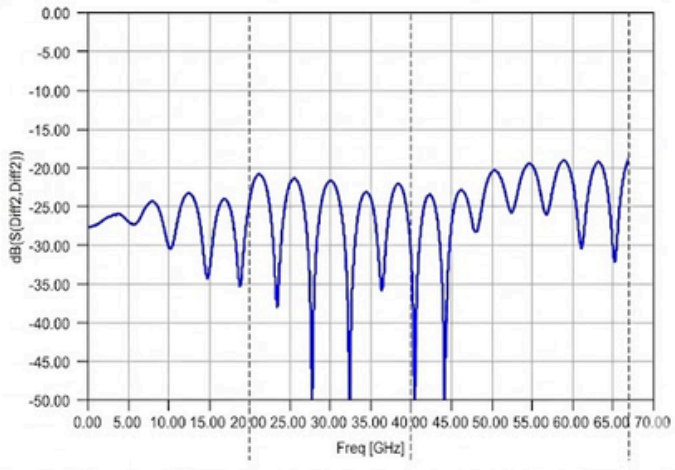
Frequency range	DC-67GHz
Insertion loss	Spec:<2.0dB
Return loss	Spec:>12dB
Impedance	100Ω
DC current	≤1A
DC voltage	≤100V
RF power	≤5w

Mechanical Characteristics

Connector	1.85mm Female
Tip configurations	GSGSG
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 GSGSG Probe-LF





Ordering Information

Model format

VST-67G-GSGSG-XXX-LF

Where:

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

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