

# Probe DATASHEET



SG 50Ω, 2.92mm Connector,  
DC-40GHz,150μm

**GPB40-SG-150**

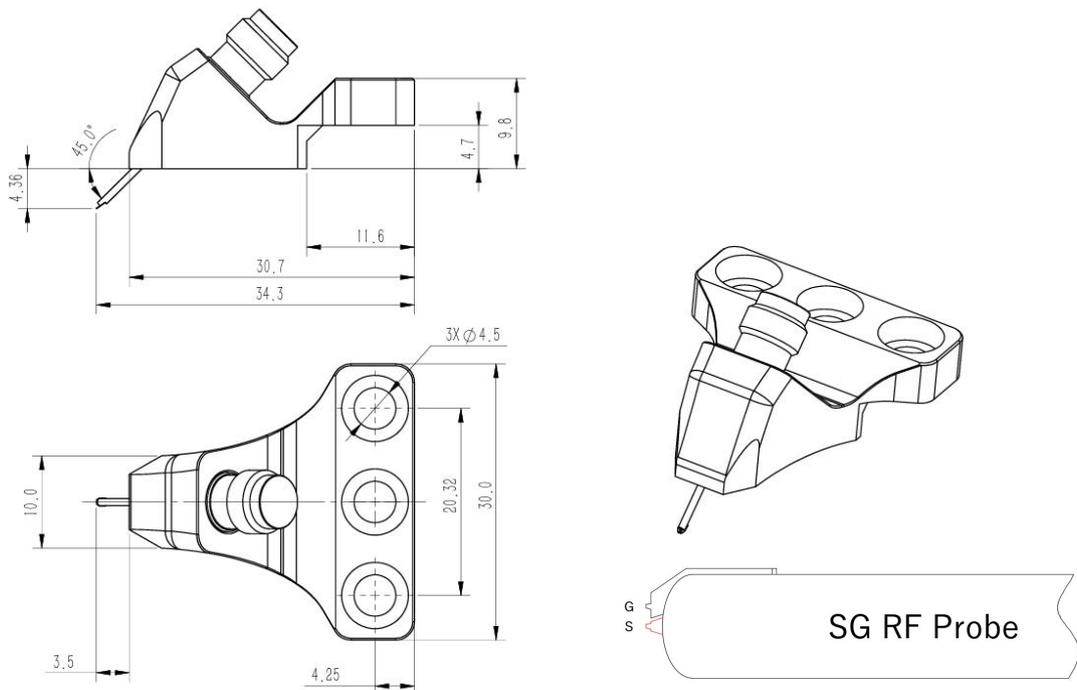
## Electrical Specifications

|                       |         |
|-----------------------|---------|
| Frequency Range (GHz) | DC ~ 40 |
| Impedance (Ω)         | 50      |
| Insertion Loss (dB)   | <1.6    |
| Return Loss (dB)      | >12     |
| Tip Configuration     | SG      |
| Pitch (μm)            | 150     |
| Tip Width (μm)        | 30      |
| Overtravel (μm)       | 20-60   |
| Skating Distance (μm) | 10-30   |

## Mechanical Specifications

|                       |               |
|-----------------------|---------------|
| Connector Type        | 2.92mm Female |
| Operating Temperature | -40°C~+175°C  |
| Tip Material          | Nickel Alloy  |

## Outline Drawing



Dimensions are in mm

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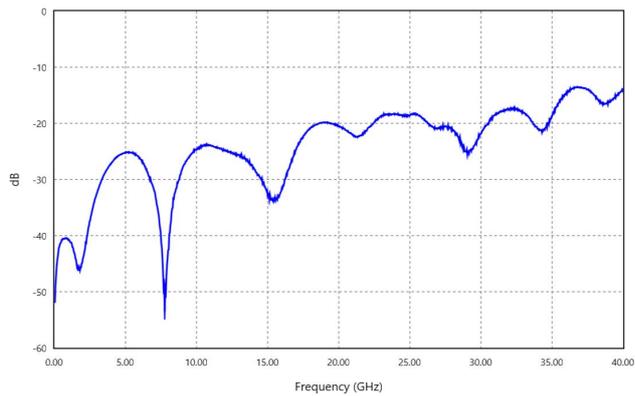


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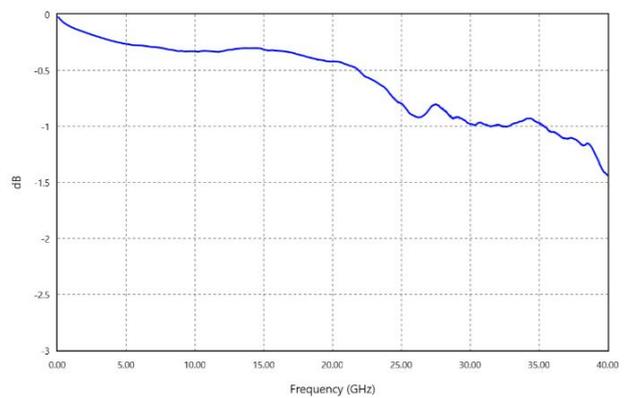
## Test data

S11 FORWARD REFLECTION



Minimum return loss for this probe is -13.48dB

S21 FORWARD TRANSMISSION



Maximum insertion loss for this probe is -1.44dB