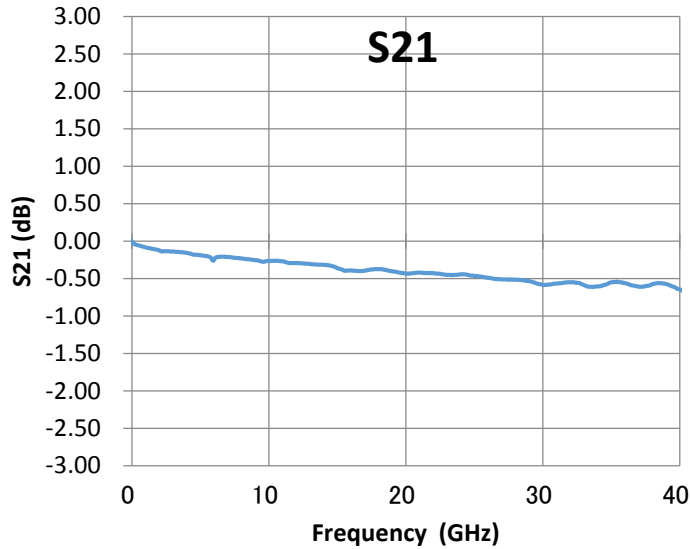


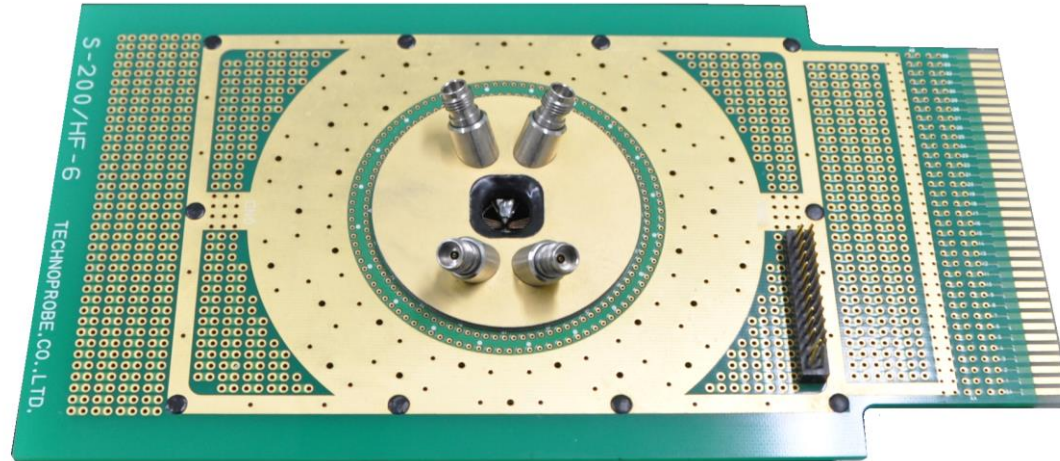
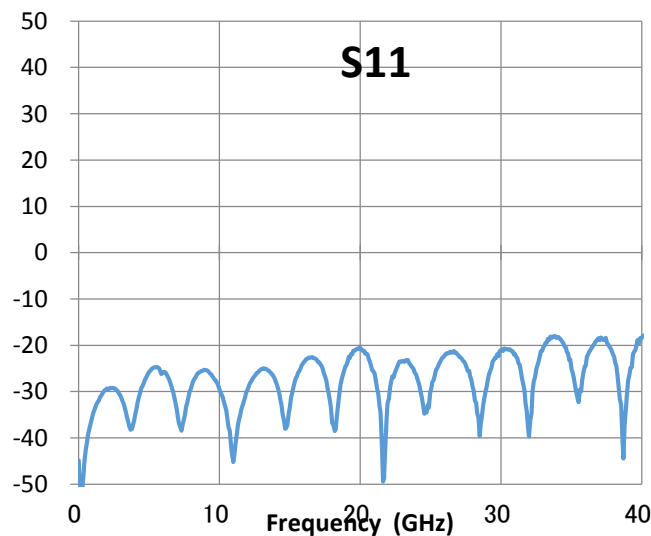


# 40GHz RF Probe Card

Typical Insertion Loss (GSGSG-150um pitch)



Typical Return Loss (GSGSG-150um pitch)



## Maximum Pin Count

RF: 16 (TBD)

DC: 120 (TBD)

## Electric Performance

Characteristic impedance	50 ohm
Frequency range	DC to 40GHz
Insertion loss (Typ. GSGSG-150μm)	-1.0dB
Return Loss (Typ. GSGSG-150μm)	-15dB
Cross Talk (Typ. GSGSG-150μm)	-35dB
DC voltage	100V
DC current	1A
RF Power @ 10GHz max	5W
Contact resistance on Au	0.05 ohm

## Mechanical Performance

Connector	2.92mm (J)
Available Pitch	50 to 1000μm (25um step) (Recommended maximum GS (SG) pitch: 250um)
Available Configuration	GS, GSG, GSSG, GSGSG or <b>Custom configuration.</b>
Probe Material	Nickel Alloy
Body Material	Aluminum Alloy
Contact pressure @2mil Over travel	20g
Contact Cycle (Auto Probe Mode: OD 1mil)	Over 1M
XY position error	Max 10um
Planarity error	Max 10um
Scribing mark (Width)	Typical 30um (adjustable)