

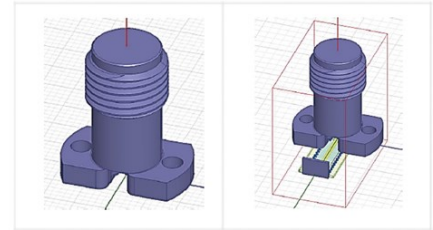
## Vertical Launch Connectors



WithWave's **Vertical Launch Connectors** are specially designed for solderless vertical PCB launch on test & measurement board. These connectors have excellent electrical transition performance up to 26.5, 50 GHz, 67 GHz, 110 GHz & 145 GHz respectively as well as reduce installation time by eliminating soldering.

- Freq: DC to 26.5, 40, 50, 67, 110 GHz & 145 GHz
- SMA, 2.92 mm, 2.4 mm, 1.85 mm, 1.0 mm & 0.8 mm
- Excellent Vertical transition
- Easy & Solderless installation on designed substrate

Specification	
VSWR	DC to 26.5 GHz.....1.30 : 1 Max
	to 40.0 GHz.....1.30 : 1 Max
	to 50.0 GHz.....1.30 : 1 Max
	to 67.0 GHz.....1.60 : 1 Max
	to 110.0 GHz.....1.60 : 1 Max
	to 145.0 GHz.....2.0 : 1 Max
Temperature	- 55 to +125 °C



#### Design Assistance

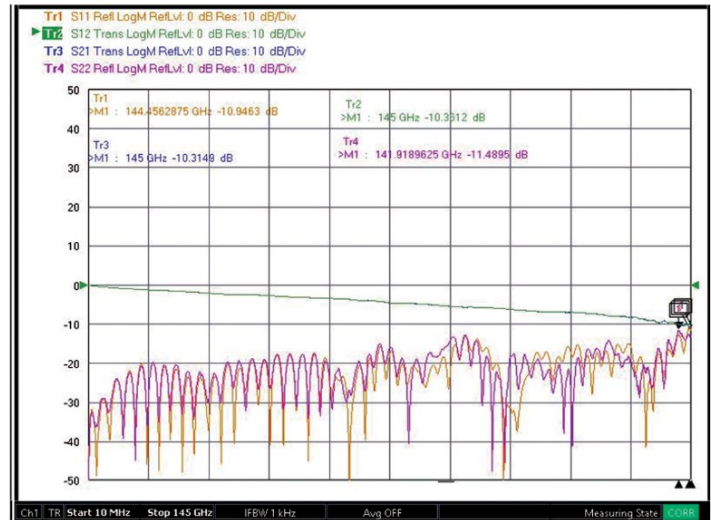
- 3D Model for Mechanical Layout (STEP file)
- ANSYS HFSS models (version 17.0 or newer) for 3D EM Simulation

### Vertical Launch 0.8 mm (DC to 145 GHz)



Microstrip type  
VC23FS002

Substrate	RO3003(5 mil)
Trace length	30.15 mm

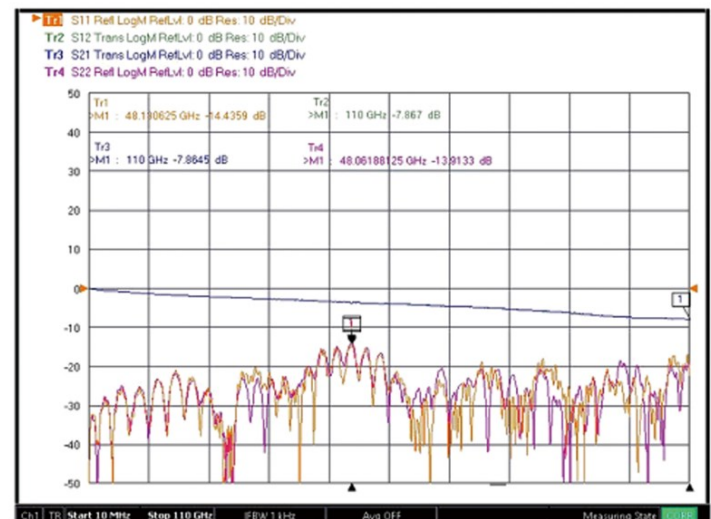


### Vertical Launch 1.0 mm (DC to 110 GHz)



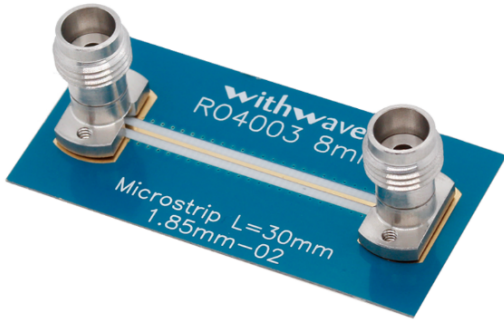
Microstrip type  
VC00FS002

Substrate	RO3003(5 mil)
Trace length	30.15 mm



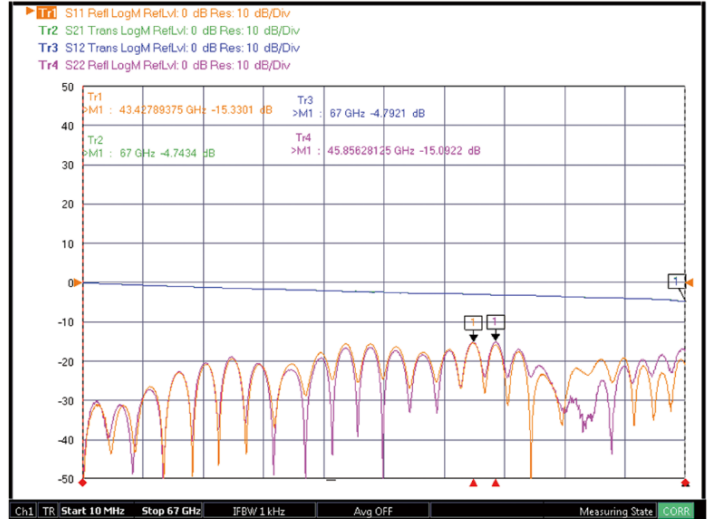


## Vertical Launch 1.85 mm (DC to 67 GHz)

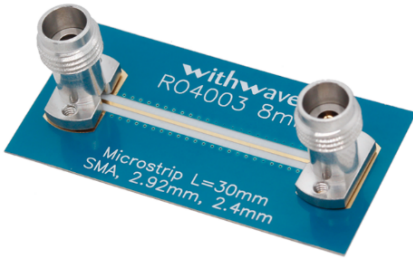


Microstrip type  
VC01FS002

Substrate	RO4003(8 mil)
Trace length	30 mm



## Vertical Launch 2.4 mm (DC to 50 GHz)



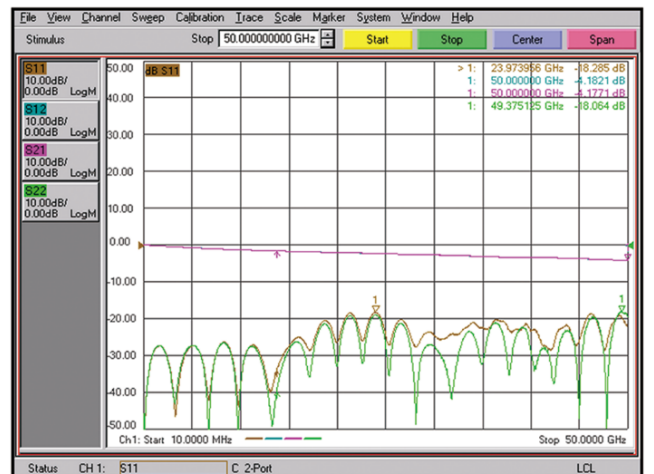
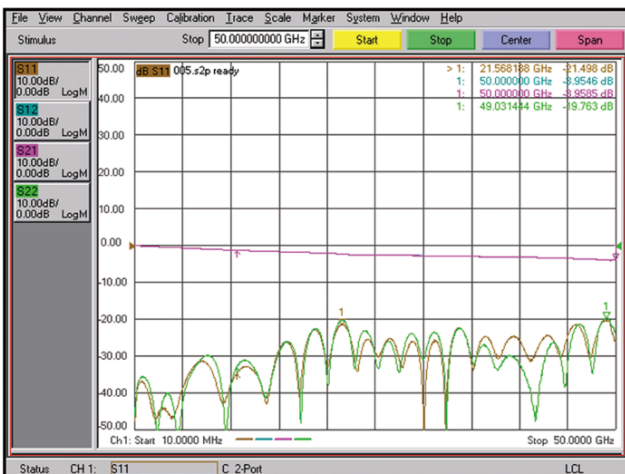
Microstrip type  
VC02FS002

Substrate	RO4003(8 mil)
Trace length	30 mm

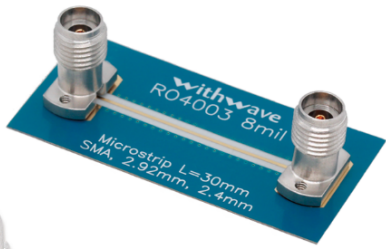


Stripline type  
VC02FS001

Substrate	RO4003(8 mil)
Trace length	30 mm

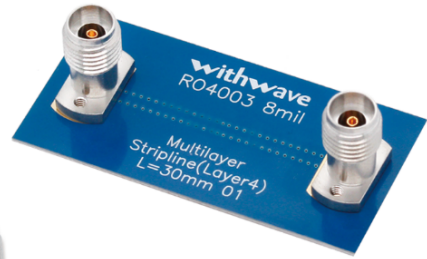


## Vertical Launch 2.92 mm (DC to 40 GHz)



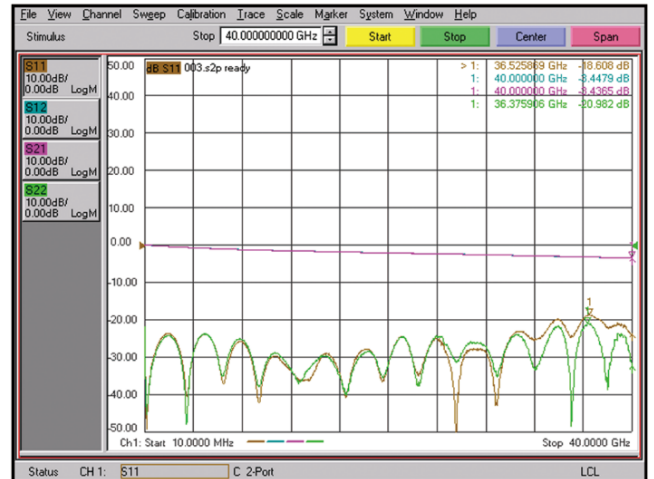
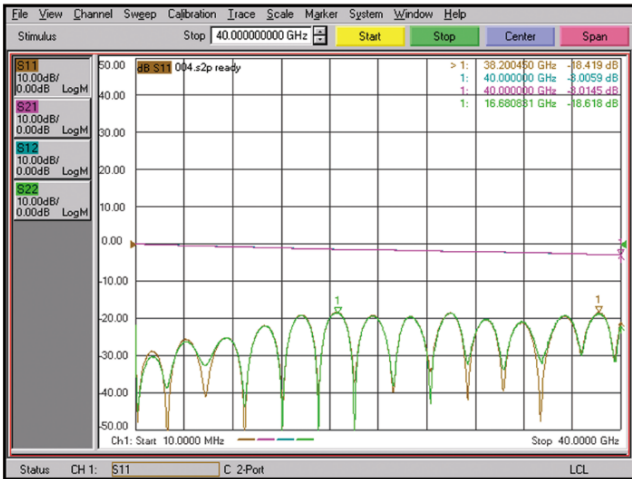
Microstrip type  
VC03FS002

Substrate	RO4003(8 mil)
Trace length	30 mm

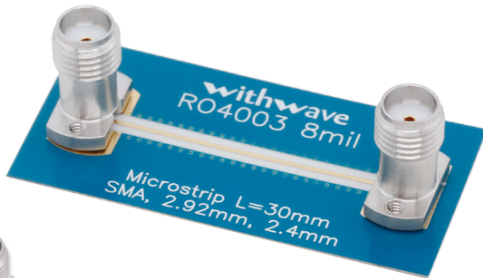


Stripline type  
VC03FS001

Substrate	RO4003(8 mil)
Trace length	30 mm



## Vertical Launch SMA (DC to 26.5 GHz)



Microstrip type  
VC06FS002

Substrate	RO4003(8 mil)
Trace length	30 mm



Stripline type  
VC06FS001

Substrate	RO4003(8 mil)
Trace length	30 mm

