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End Launch Connectors (Narrow Block)

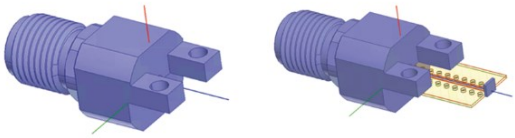
Withwave's ***End Launch connectors (Narrow Block)*** are specially designed for well-used high frequency substrates to minimize electromagnetic effects including impedance discontinuities from coaxial to GCPWG (Grounded Coplanar Waveguide) and Top Ground Microstrip structure.
The types of connectors are SMA, 2.92 mm, 2.4 mm, 1.85 mm & 1.0mm.

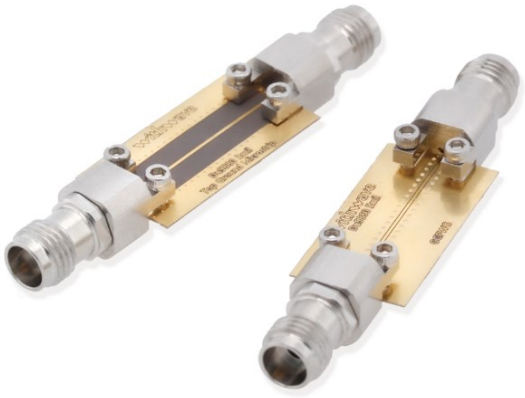
- Freq: DC to 26.5, 40, 50, 67 & 110 GHz
- SMA, 2.92 mm, 2.4 mm, 1.85 mm & 1.0 mm
- Excellent Vertical transition
- Easy & Solderless installation on designed substrate

Specification	
VSWR	DC to 26.5 GHz.....1.4 : 1 Max
	to 40.0 GHz.....1.4 : 1 Max
	to 50.0 GHz.....1.4 : 1 Max
	to 67.0 GHz.....1.4 : 1 Max
	to 110.0 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



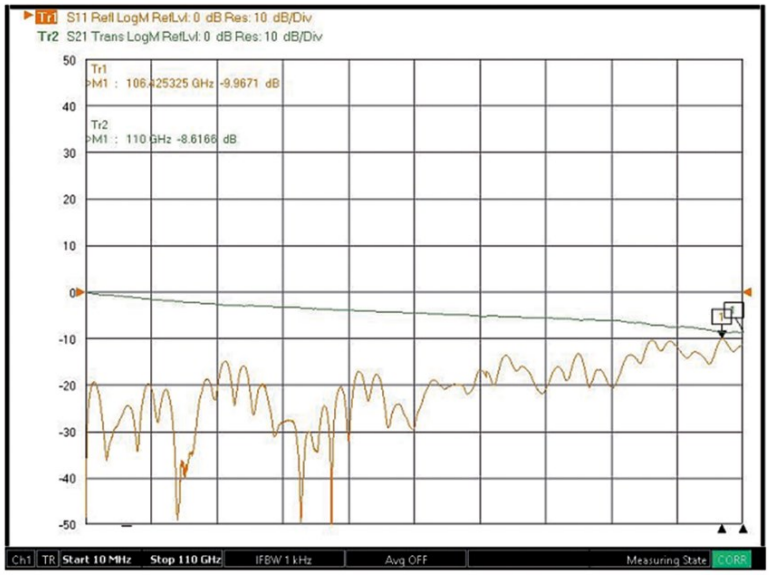


End Launch 1.0 mm (DC to 110 GHz)

NE00FS001

GCPWG

Substrate	RO3003 (5 mil)
Trace length	25.4 mm

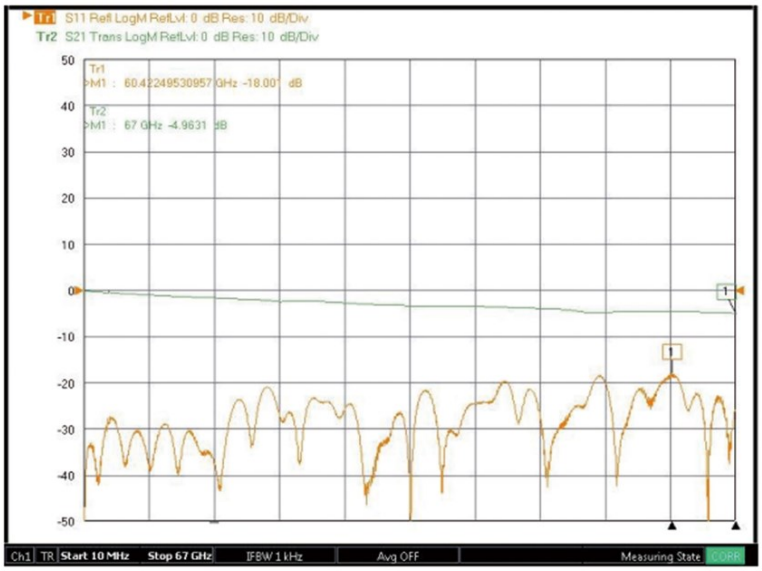


End Launch 1.85 mm (DC to 67 GHz)

NE01FS001

GCPWG

Substrate	RO4003C (8 mil)
Trace length	25.4 mm

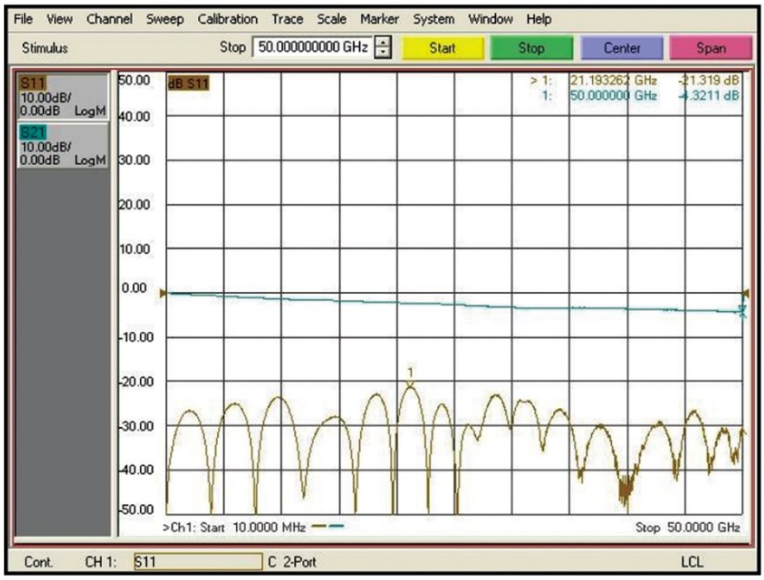


End Launch 2.4 mm (DC to 50 GHz)

NE02FS001

GCPWG

Substrate	RO4003C (8 mil)
Trace length	25.4 mm



End Launch 2.92 mm (DC to 40 GHz)

NE03FS001

GCPWG

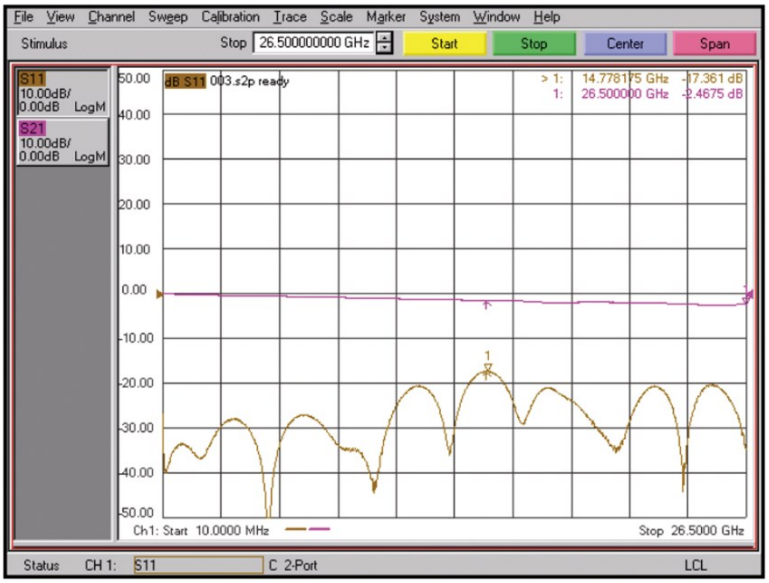
Substrate	RO4003C (8 mil)
Trace length	25.4 mm

End Launch SMA (DC to 26.5 GHz)

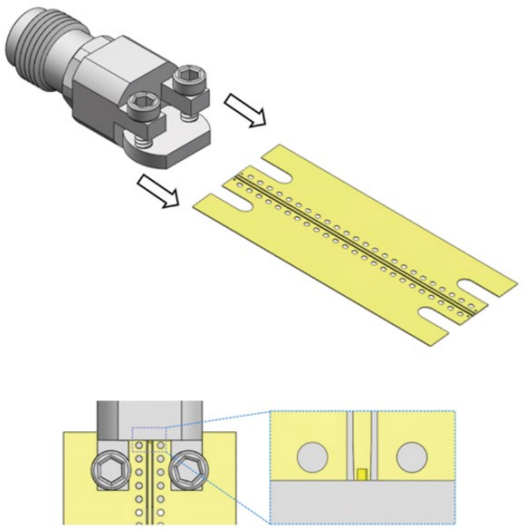
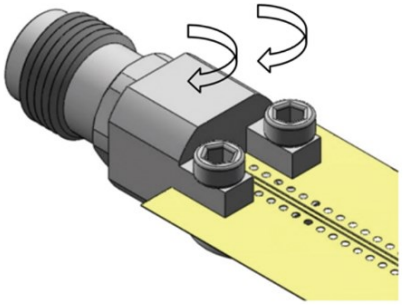
NE06FS001

GCPWG

Substrate	RO4003C (8 mil)
Trace length	25.4 mm



Installation Procedure

STEP 1	STEP 2
Insert end launch connector (including block & screws) in the edge position of substrate. and, ensure the pin is centered on the trace.	Ensure the block is tight against the substrate.
	

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Scan the QR code
End Launch Connectors Narrow Block

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