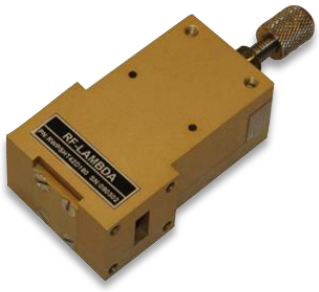
WR28 Waveguide Manual 360° Phase Shifter
26.5 – 40GHz



RoHS Compliant

Features

- Wide Band Operation, flat response
- Frequency up to 110GHz upon request
- High Power Handle Capability
- Low Insertion Loss and High dynamitic range
- Customization available upon request

Electrical Specifications, T_A=25 ℃

Description	PN:RWPSHT28D360			
	Waveguide Manual Phase Shifter			
Parameters	Min	Typ.	Max	Units
Frequency Range	26.5		40	GHz
Phase Range		360		°
Insertion Loss			0.23	dB
Input VSWR			1.2	: 1
Output VSWR			1.2	: 1
Power			100	W
Waveguide Type	WR28			

Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-40℃~+85℃
Storage Temperature		-55℃~+125℃
Thermal Shock		1 Hour@ -45℃ → 1 Hour @ +85℃ (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85℃ for 72 Hours
Shock		1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
Altitude		Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883	MIL-STD-883 (For Hermetically Sealed Units)

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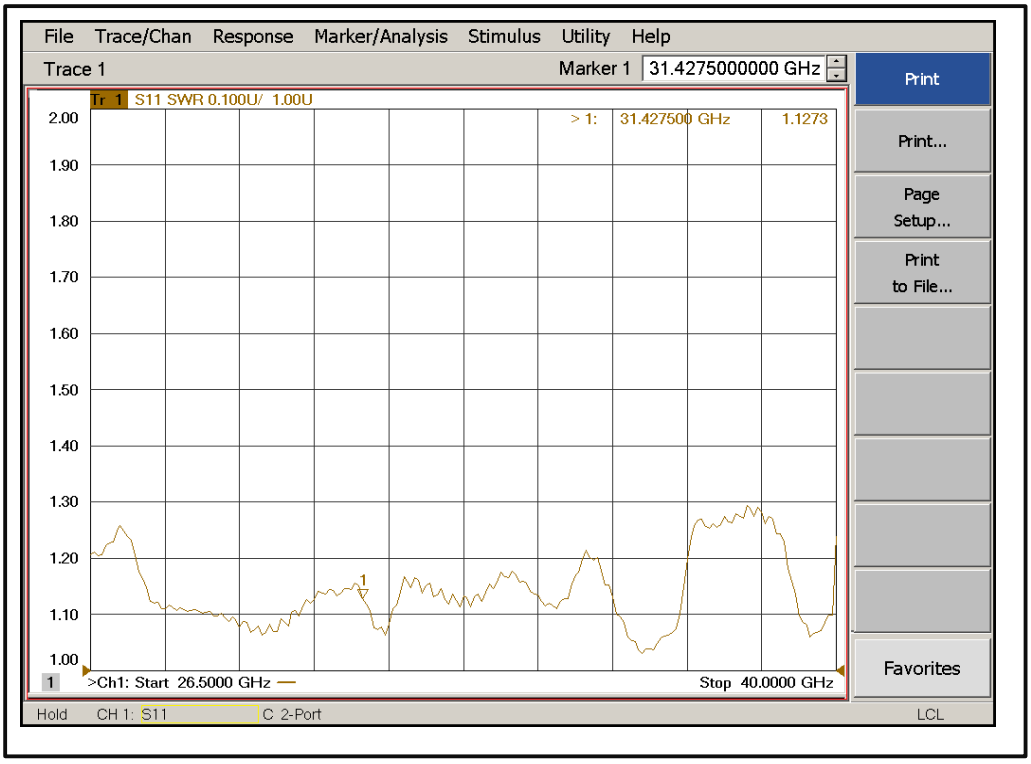
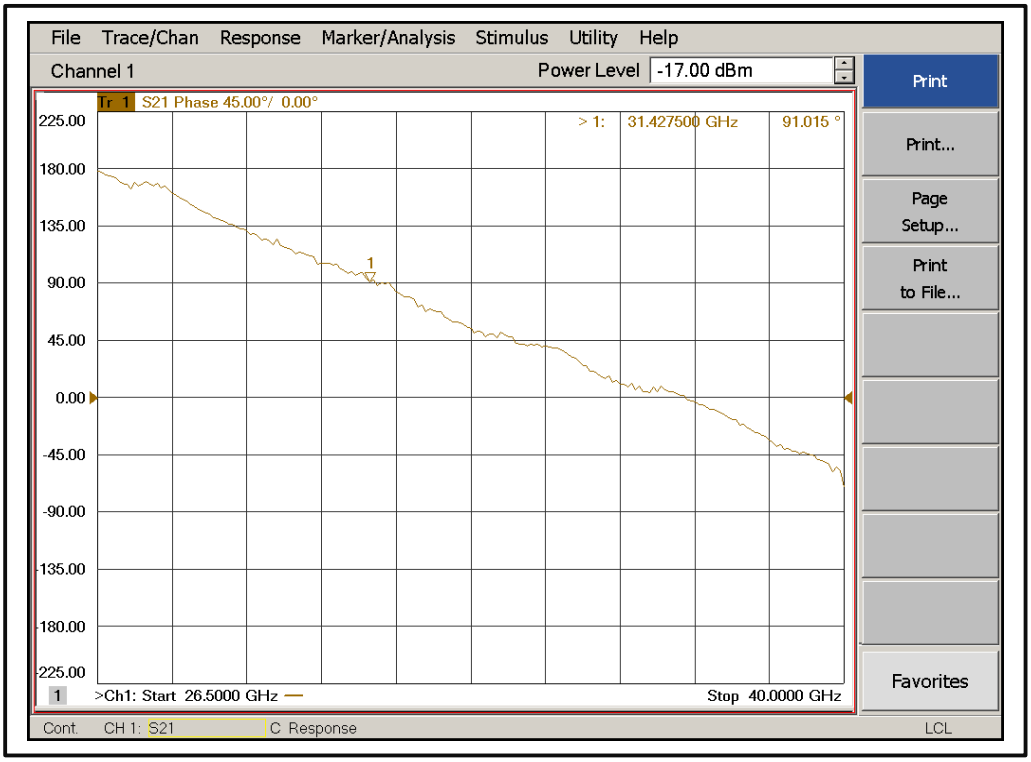
Typical Performance Plots

Input VSWR

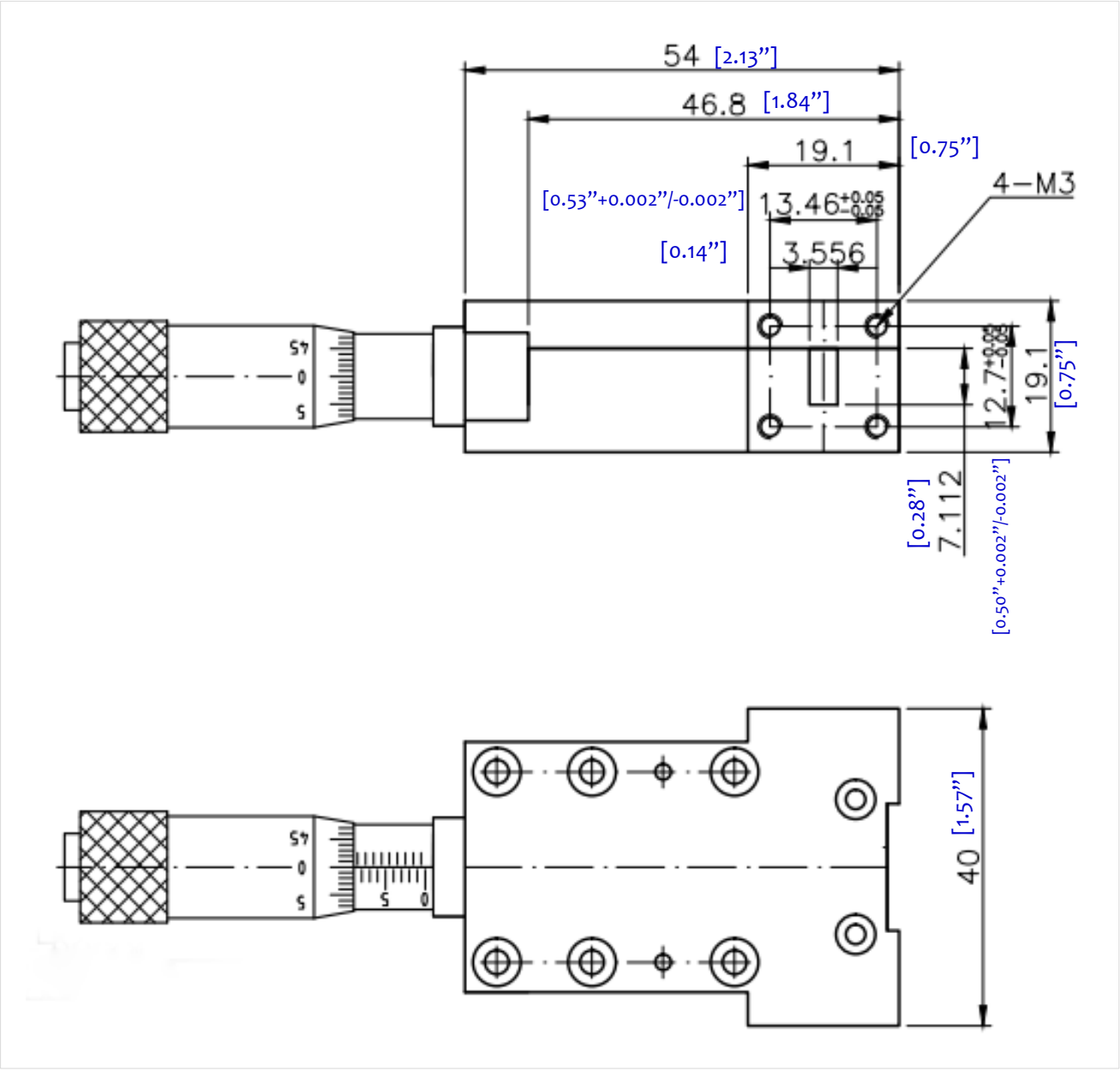


Relative Phase Shift vs. Frequency



Outline Drawing:

All Dimensions in mm [inches]



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