



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RWPSHT90D180

Waveguide Manual Phase Shifter 9.5 – 10.5GHz



Features

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

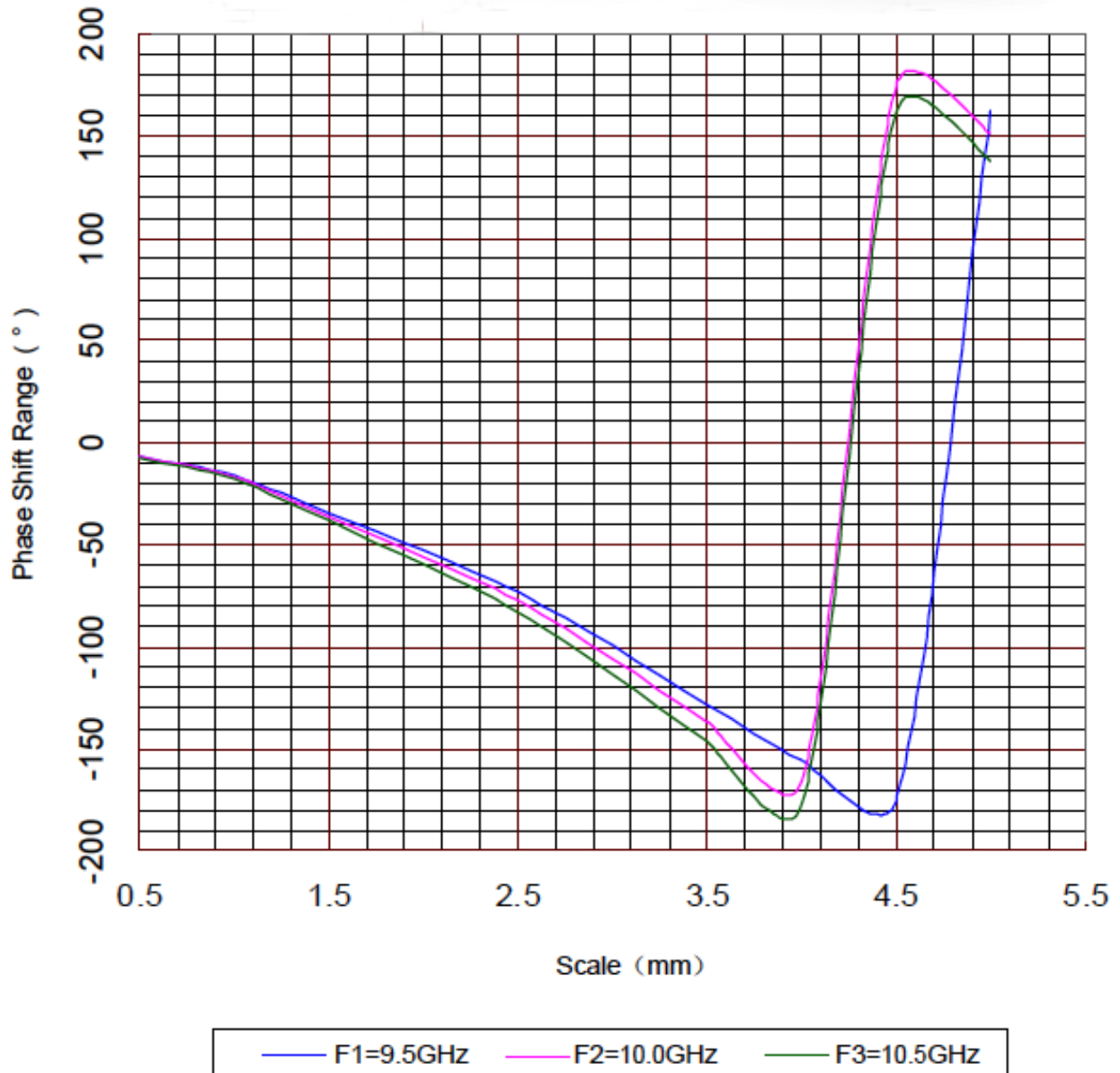
Electrical Specifications, $T_A=25\text{ }^{\circ}\text{C}$

Description	PN:RWPSHT90D180			
	Waveguide Manual Phase Shifter			
Parameters	Min	Typ.	Max	Units
Frequency Range	9.5		10.5	GHz
Phase Range		180		°
Insertion Loss			0.2	dB
Input VSWR			1.2	: 1
Output VSWR			1.2	: 1
Power	10		300	W
Waveguide Type	WR90			

Environmental Specifications

Operational Temperature (°C)	-45 ~ +85
Storage Temperature (°C)	-50 ~ +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

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Phase° \ Scale mm	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
F1= 9.5GHz	-6.57	-16.37	-34.60	-52.89	-73.25	-99.77	-128.45	-155.62	-174.85	162.62
F2=10.0GHz	-6.72	-17.02	-36.29	-55.77	-77.59	-105.85	-136.50	-165.33	174.78	151.34
F3=10.5GHz	-7.09	-17.89	-38.45	-59.49	-82.91	-113.48	-146.38	-176.95	162.14	137.89

