



WR51 Waveguide Manual 180° Phase Shifter



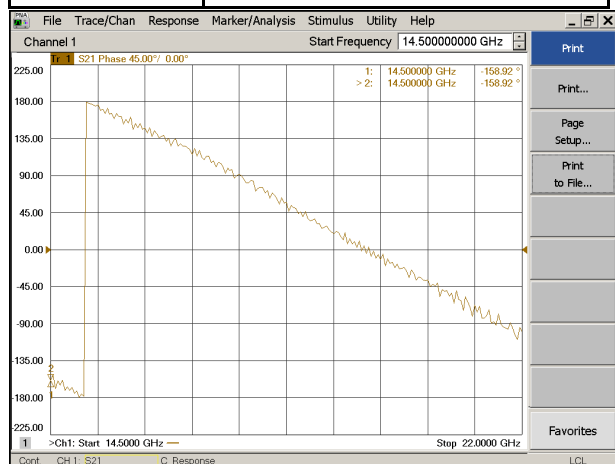
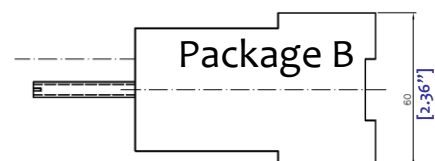
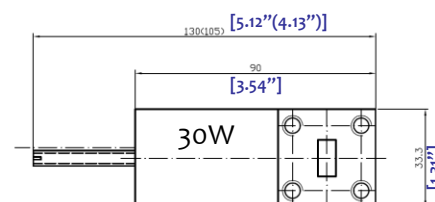
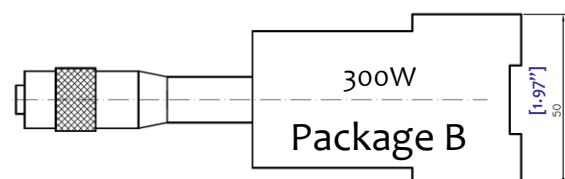
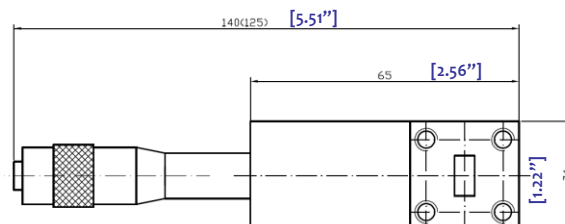
Features

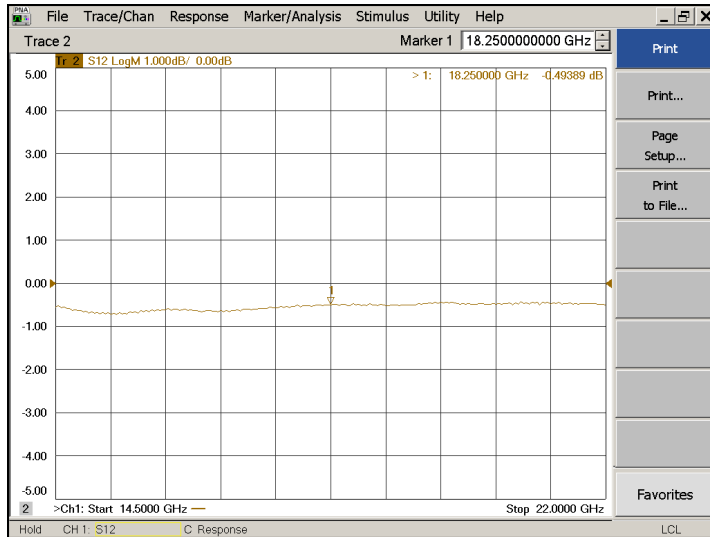
- Wide Band Operation, flat response
- Frequency up to 110GHz upon request
 - High Power Handle Capability
- Low Insertion Loss and High dynamic range
 - Temperature Range -40°C~+85°C
- Customization available upon request

Applications: Phase shifters are devices used to adjust transmission phase in a system, are used to change the transmission phase angle (phase of S21) of a network. RF-Lambda phase shifters provide low insertion loss, and equal amplitude (or loss) in all phase states. While the loss of a phase shifter is often overcome using an amplifier stage, the less loss, the less power that is needed to overcome it.

Part Number	Waveguide Type	Low Freq (GHz)	Insertion Loss (dB)	Phase Range (degree)	VSWR (Max:1)	Power (Watts)
RWPSHT51D180	WR51	15-22	0.2	180	1.2	10~300

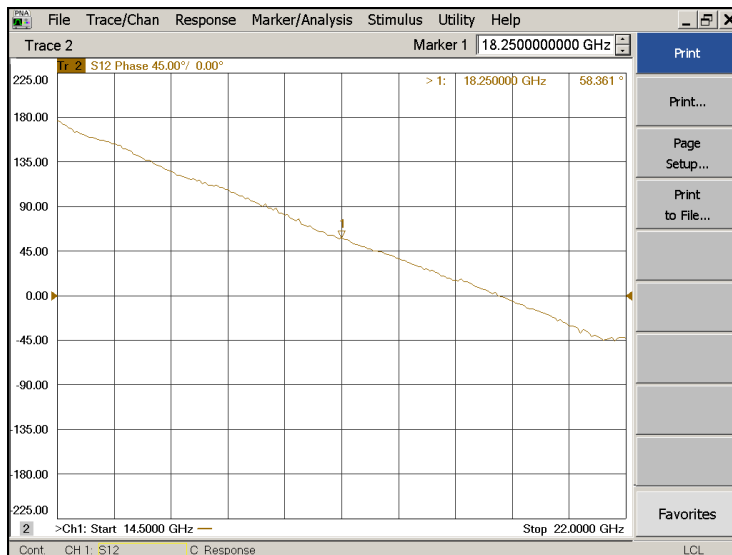
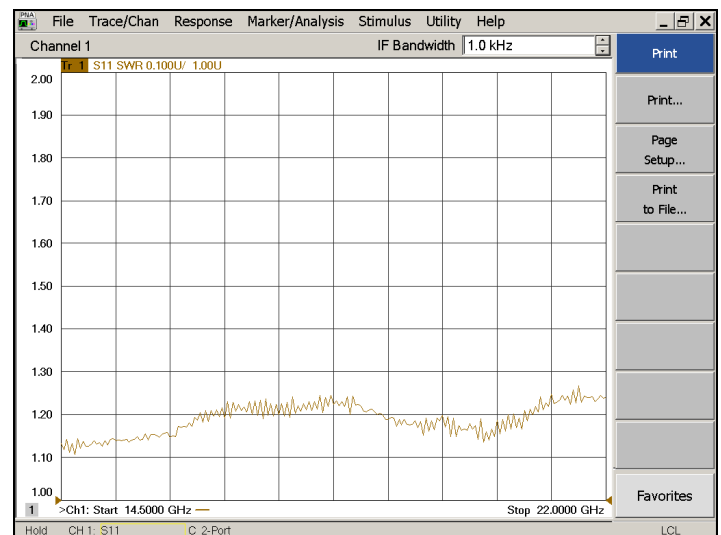
Environment specifications	
Operation Temp.	-40°C~+85°C
Storage Temp.	-55°C~+125°C
Altitude	42000 ft
Vibration	10g rms (15 degree 2KHz)
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc
Cooling	FAN required for long time High power operation





Insertion Loss

VSWR



Phase