

## WR51 Waveguide Manual 360° Phase Shifter

## Features

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

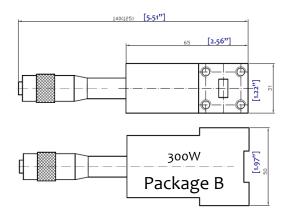
Customization available upon request

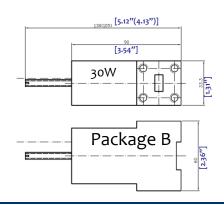
**Applications:** Phase shifters are devices used to adjust transmission phase in a system, are used to change the transmission phase angle (phase of S21) of a network. RF-Lambda phase shifters provide low insertion loss, and equal amplitude (or loss) in all phase states. While the loss of a phase shifter 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)
RWPSHT51D360	WR51	15-22	0.2	360	1.2	300

Environment spe	cifications	
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	
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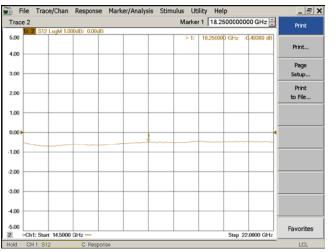




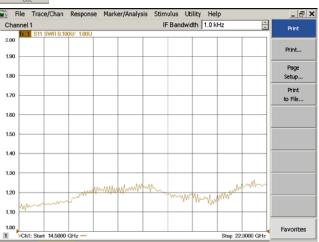




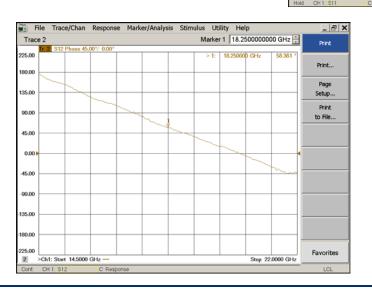
## RWPSHT51D360







VSWR



Phase