



WR62 Waveguide Manual 180° Phase Shifter



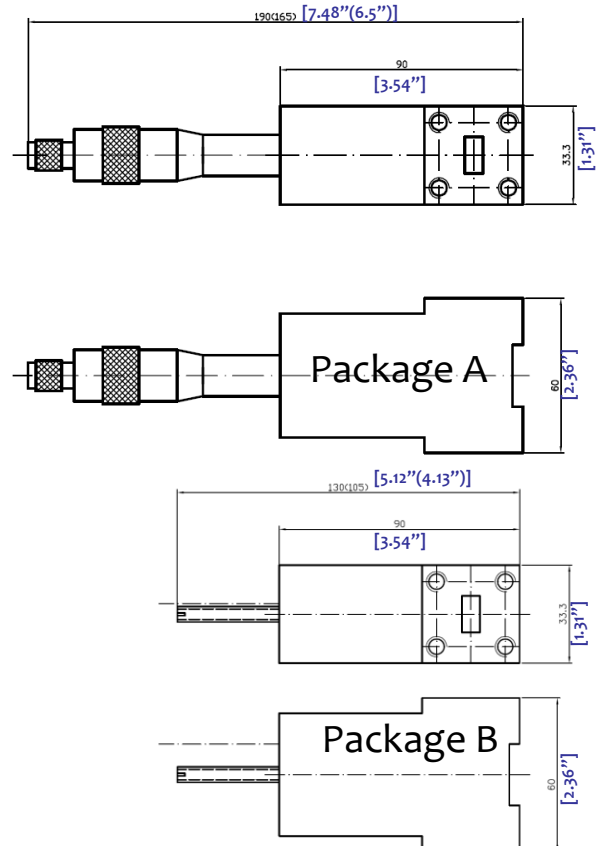
Features

- 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.

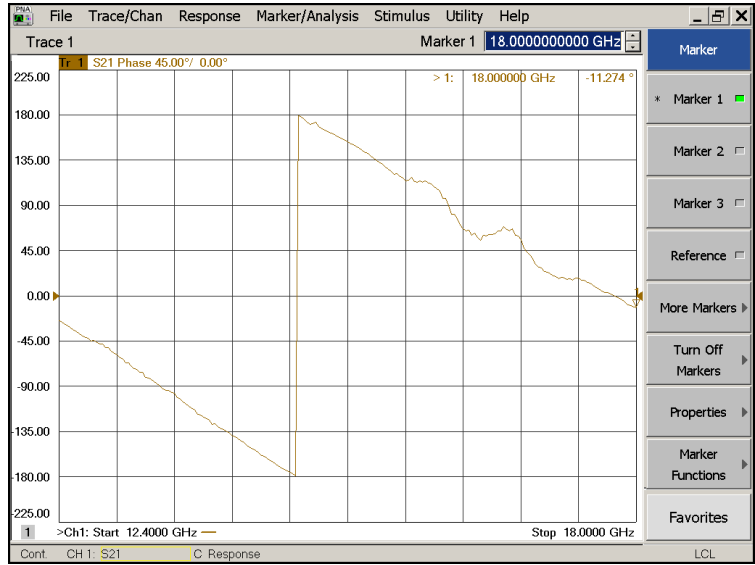
| Part Number | Waveguide Type | Low Freq (GHz) | Insertion Loss (dB) | Phase Range (degree) | VSWR (Max:1) | Power (Watts) |
|--------------|----------------|----------------|---------------------|----------------------|--------------|---------------|
| RWPSHT62D180 | WR62 | 12.4-18.0 | 0.2 | 180 | 1.2 | 10~300 |

| Environment specifications | |
|----------------------------|---|
| Operation Temp. | -40°C~+85°C |
| Storage Temp. | -55°C~+125°C |
| Altitude | 62000 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 |

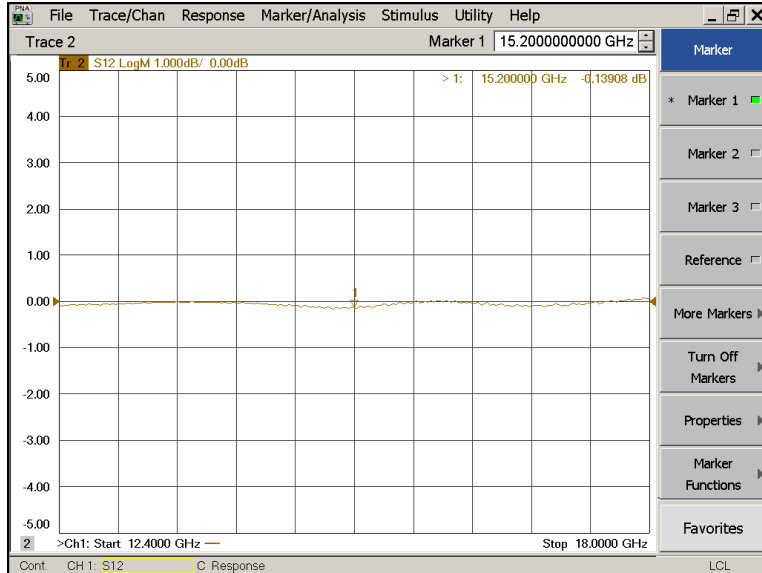




Phase Adjustment



Insertion Loss



VSWR

