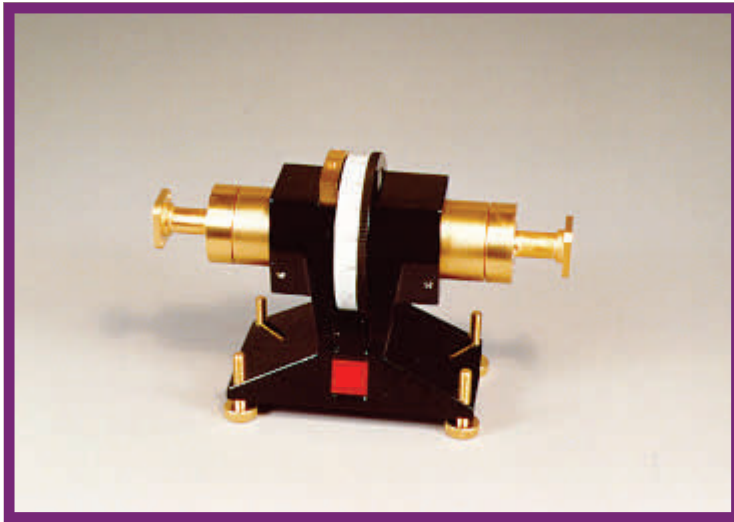


528 Series Direct-Reading Phase Shifters



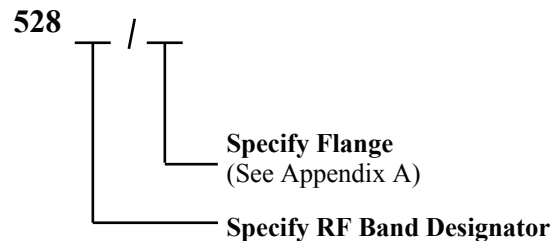
Features

- High Accuracy
- Direct Reading Dial
- Frequency Independent
- Direct Drive With No Gears
- Covers Full Waveguide Band
- Continuously Adjustable Phase
- Low VSWR & Low Insertion Loss

Description 528 Series Phase Shifters

Mi-Wave's 528 series direct reading phase shifters provide highly accurate measurement of phase shift over each full waveguide band from 26.5 to 110.0 GHz. They feature low VSWR, low insertion loss, and low insertion loss variation due to the rotation of the phasing section.

Ordering Information



Applications

The 528 series direct-reading precision phase shifters offer a convenient, frequency insensitive method of measuring phase shift. These devices are useful in waveguide systems where the phase and amplitude must be measured or adjusted independently. Typical applications include bridge circuits, phased arrays, and interferometers.

Mi-Wave

Millimeter Wave Products Inc.

www.miwv.com

2200 Tall Pines Drive, Suite 100

Largo, FL 33771

Tel. (727) 536-0033 Fax. (727) 536-0012

E: sales@miwv.com

528 Series Direct-Reading Phase Shifters

Technical Specifications

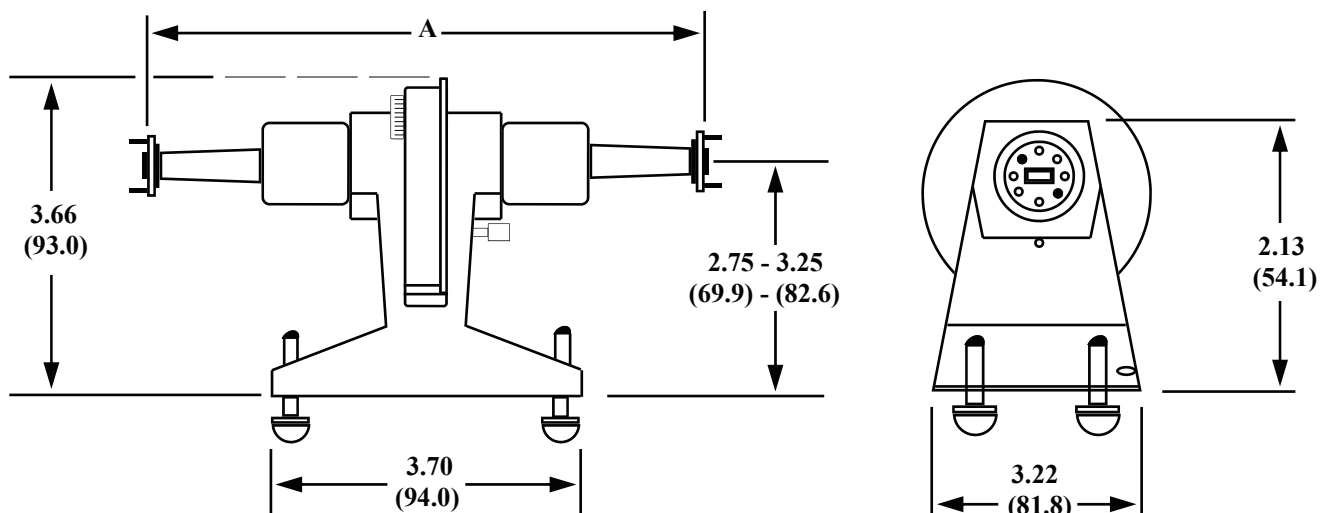
| Model Number | 528A | 528B | 528U | 528V | 528E | 528W |
|-----------------------|-----------|-----------|-----------|-----------|-----------|------------|
| Frequency Band (GHz) | 26.5-40.0 | 33.0-50.0 | 40.0-60.0 | 50.0-75.0 | 60.0-90.0 | 75.0-110.0 |
| Accuracy (degrees) | 3 | 3 | 3 | 4 | 4 | 4 |
| Insertion Loss (dB) | 1.0 | 1.2 | 1.3 | 1.5 | 1.8 | 2.0 |
| VSWR Max. | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.35 |
| Average Power (Watts) | 1.0 | 1.0 | 1.0 | 0.8 | 0.7 | 0.6 |
| Weight (oz.) | 30 | 29 | 28 | 27 | 26 | 24 |

Dimensional Specifications

| Model No. | A | in | mm |
|-----------|------|-------|----|
| 528A | 8.53 | 217.0 | |
| 528B | 6.85 | 174.0 | |
| 528U | 5.83 | 148.0 | |
| 528V | 4.75 | 121.0 | |
| 528E | 4.16 | 106.0 | |
| 528W | 3.38 | 85.8 | |

Operating Specifications

| | |
|-------------------|---|
| Phase Shift Range | 0° to 360° Direct Reading |
| Read-Out | 0° to 360° in 5° divisions, with 0.5° vernier |
| Loss Variation | 1.0 dB (Max.) |



Mi-Wave

Millimeter Wave Products, Inc.

www.miww.com

Tel. (727) 536-0033 Fax. (727) 536-0012

E: sales@miww.com