

526 Series Dial-Driven Calibrated Phase Shifters



Features

- Compact & Mechanically-Stable Design
- Smooth Anti-Backlash Phase Shift Control
- High Resolution Over A Wide Phase-Shifting Range

Description 526 Series Phase Shifters

Mi-Wave's 526 series dial-driven calibrated phase shifters are precision phase-shifting devices, designed for operation from 18.0 to 110 GHz to provide phase shifts from 0° to 180° at any frequency within the waveguide band. All units are H-plane units with the exception of the K-band unit which is an E-plane device.

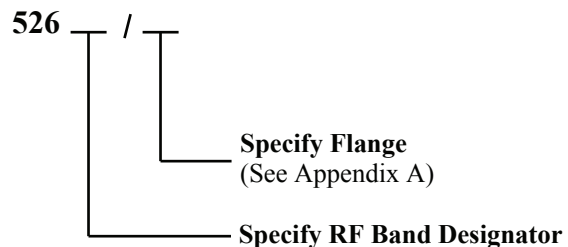
Designed to maintain reliable performance for accurate test measurements, the firm setting control of these devices maintains stable performance under all normal conditions of unit orientation and test bench vibration.

Each phase shifter is calibrated at the frequency specified at the time of order, and a curve of attenuation vs. dial-reading is included with every unit. Calibration curves at other frequencies are also available.

Applications

The 526 series dial-driven calibrated phase shifters are designed to provide accurate variations in the electrical length of transmission line sections with minimum energy loss and reflections. The accuracy, resolution, and repeatability of these devices permit the measurement of standard test equipment applications. They can also provide accurate field phase data in the determination of antenna primary

Ordering Information



Please specify center frequency at time of order.

Mi-Wave

Millimeter Wave Products Inc.

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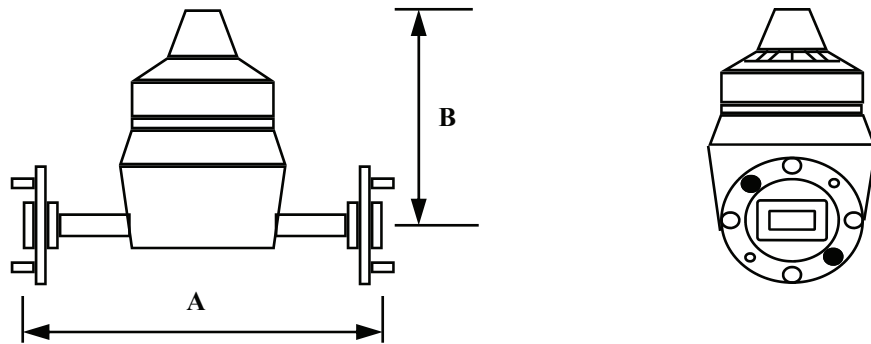
Tel. (727) 536-0033 Fax. (727) 536-0012

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526 Series Dial-Driven Calibrated Phase Shifters

Technical Specifications

Model Number	526K	526A	526B	526U	526V	526E	526W
Frequency Band (GHz)	18.0-26.5	26.5-40.0	33.0-50.0	40.0-60.0	50.0-75.0	60.0-90.0	75.0-110.0
VSWR	1.15	1.15	1.15	1.2	1.2	1.2	1.2
Insertion Loss (dB)	0.3	0.3	0.3	0.3	0.4	0.5	0.5
Average Power (Watts)	1.5	1.0	1.0	1.0	0.8	0.7	0.6
Weight (oz.)	8.0	6.0	6.0	6.0	3.0	3.0	3.0



Operating Specifications

Phase Shift 0° to 180° Minimum
 Accuracy..... ± 3.0°
 Calibration Curve Supplied at the frequency specified at time of order.

Dimensional Specifications

Model No.	A		B	
	in	mm	in	mm
526K	3.00	76.2	2.35	59.7
526A	2.75	69.9	2.16	54.9
526B	2.75	69.9	2.16 2.16	54.9
526U	2.75	69.9	2.16	54.9
526V	2.50	63.5	1.94	49.3
526E	2.50	63.5	1.94	49.3
526W	2.50	63.5	1.94	49.3

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