

525 Series

Uncalibrated Phase Shifters



Features

- Dial Driven
- Smooth Phase Shift Control
- Compact & Mechanically-Stable Design
- Settings Maintained in all Orientations

Description 525 Series Phase Shifters

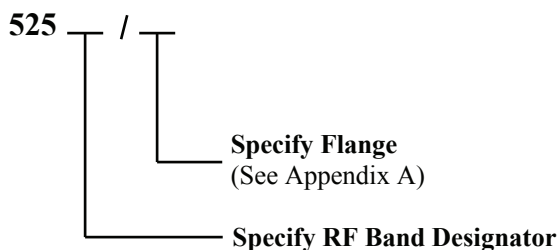
Mi-Wave's 525 series uncalibrated phase shifters provide phase shifts from 0° to 180° at any frequency within the waveguide band. All units are H-plane units with the exception of the K-band unit which is an E-plane device.

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.

Applications

The 525 series uncalibrated phase shifters are designed for applications that require variation in the electrical length of a transmission line section with minimum energy loss and reflections. These devices are used in test bench bridge circuits and balanced mixers to provide control of the phase relationship between RF signals. They may also be used to control similar phase relations in array-type antenna systems.

Ordering Information



Mi-Wave

Millimeter Wave Products Inc.

www.miwv.com

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Largo, FL 33771

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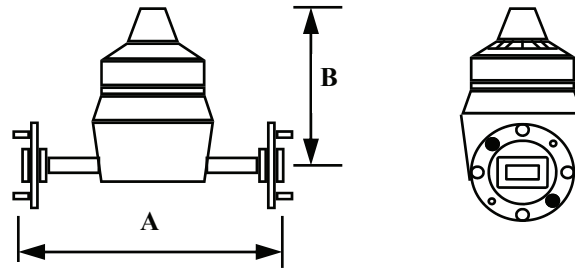
E: sales@miwv.com

525 Series

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Technical Specifications

Model Number	525K	525A	525B	525U	525V	525E	525W	525F	525D	525G
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	90.0-140.0	110-170.0	140.0-220.0
VSWR Max.	1.15	1.15	1.15	1.20	1.20	1.20	1.20	1.25	1.25	1.25
Phase Shift (degrees) Min.	180	180	180	180	180	180	180	180	180	180
Insertion Loss (dB)	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.6	0.8	1.0
Average Power (Watts)	1.5	1.0	1.0	1.0	0.8	0.7	0.6	0.4	0.3	0.2
Weight (oz.)	8.0	6.0	6.0	6.0	3.0	3.0	3.0	2.5	2.5	2.5



Dimensional Specifications

Model No.	A		B	
	in	mm	in	mm
525K	3.00	76.2	2.35	59.7
525A	2.75	69.9	2.16	54.9
525B	2.75	69.9	2.16	54.9
525U	2.75	69.9	2.16	54.9
525V	2.50	63.5	1.94	49.9
525E	2.50	63.5	1.94	49.9
525W	2.50	63.5	1.94	49.9
525F	2.00	50.8	1.94	49.9
525D	2.00	50.8	1.94	49.9
525G	2.00	50.8	1.94	49.9

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