



## Description

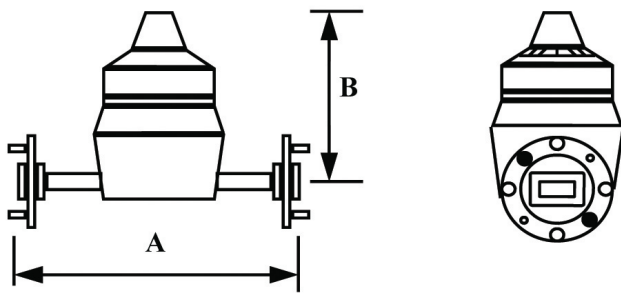
Mi-Wave's 525 Uncalibrated and 526 Calibrated Phase Shifters provide phase shifts from 0° to 180° at any frequency within the waveguide band.

- *Dial Driven*
- *Smooth Phase Shift Control*
- *Compact and Mechanically-stable Design*
- *Settings Maintained in all Orientations*

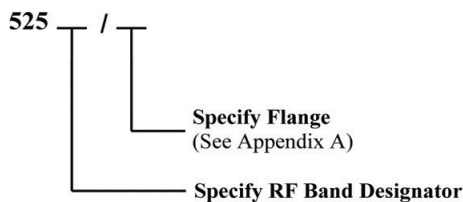
Designed to maintain reliable performance for accurate test measurements, the firm setting control of these devices maintains stable performance under all normal conditions of unit orientation and test bench vibration.

## Applications

Mi-Wave's 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



## Ordering Information



## OTHER BANDS AVAILABLE:

- WR-90, 75, 51, 34

526 Calibrated at 1 frequency

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

Technical Specifications (typical)										
Model No.	525K	525A	525B	525U	525V	525E	525W	525F	525D	525G
Frequency Band (GHz)	18–26.5	26.5–40	33–50	40–60	50–75	60–90	75–110	90–140	110–170	140–220
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