

527 Series Micrometer-Driven Calibrated Phase Shifters



Features

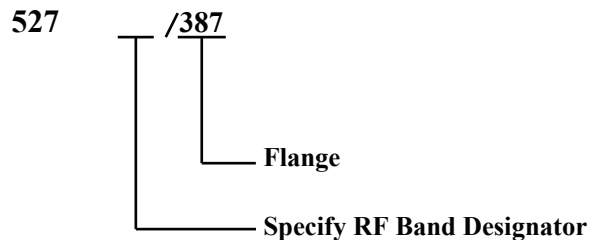
- Low VSWR
- Micrometer Readout
- Smooth Anti-Backlash Operation
- Differential Screw Drive for Increased Phase Shift Resolution

Description 527 Series Phase Shifters

Mi-Wave's 527 series calibrated phase shifters are designed for operation in three waveguide sizes from 90 to 220 GHz. The differential screw drive provides an increased resolution when compared with single screw drives. This resolution is advantageous since the total travel of the phase shift vane is quite short at high frequencies. The precise micrometer readout enhances the settability and repeatability of these devices.

Each phase shifter is calibrated at the specified frequency and a curve of phase shift vs. micrometer readout is supplied. Additional calibrations are supplied at an additional cost.

Ordering Information



Please specify center frequency at time of order.

Mi-Wave

Millimeter Wave Products Inc.

www.miwv.com

2200 Tall Pines Drive, Suite 100

Largo, FL 33771

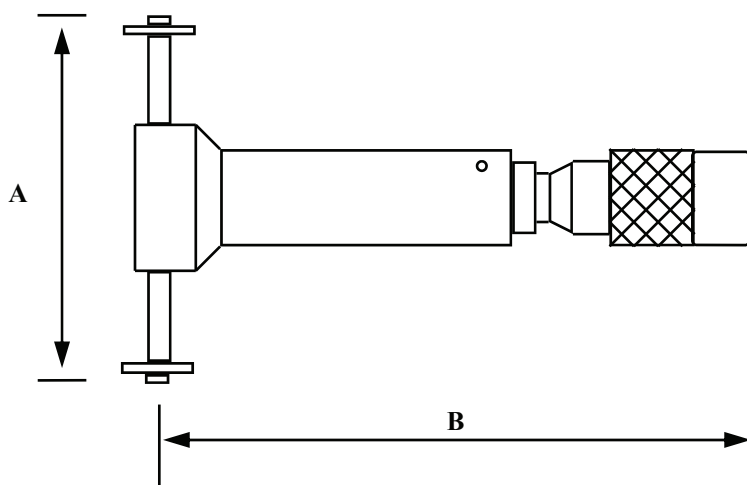
Tel. (727) 536-0033 Fax. (727) 536-0012

E: sales@miwv.com

527 Series Micrometer-Driven Calibrated Phase Shifters

Technical Specifications

Model Number	527F	527D	527G
Frequency Band (GHz)	90.0-140.0	110.0-170.0	140.0-220.0
VSWR Max.	1.15	1.15	1.15
Phase Shift (degree) Min.	180	180	180
Accuracy (°)	±3.0	±3.0	±3.0
Weight (oz)	5.5	5.5	5.5



Dimensional Specifications

Model No.	A		B	
	in	mm	in	mm
527F	2.00	50.8	4.00	101.6
527D	2.00	50.8	4.00	101.6
527G	2.00	50.8	4.00	101.6

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