

# 590 Series Adjustable Waveguide Short Circuits



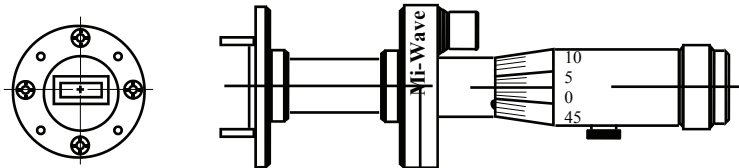
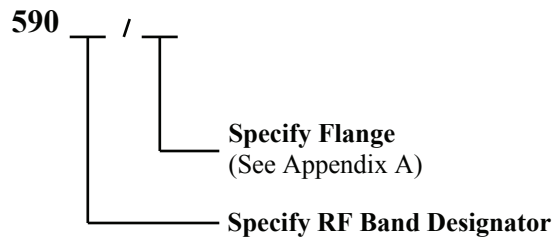
## Features

- Full Waveguide Coverage
- Non-Contacting Choke Type Short
- Precision Micrometer Tuning and Readout
- Minimum Travel of One-Half Wavelength at Lowest Operating Frequency

## Description 590 Series Short Circuits

**Mi-Wave's** 590 series waveguide short circuits are available in standard waveguide sizes from 12.4 to 220 GHz. The non-contacting choke type short circuit is designed to operate with high electrical stability over a broad range of frequencies. The micrometer drive provides smooth, accurate positional tuning over the entire distance traveled and a positive locking device ensures continued setting reliability.

## Ordering Information



## **Mi-Wave**

Millimeter Wave Products Inc.

[www.miwv.com](http://www.miwv.com)

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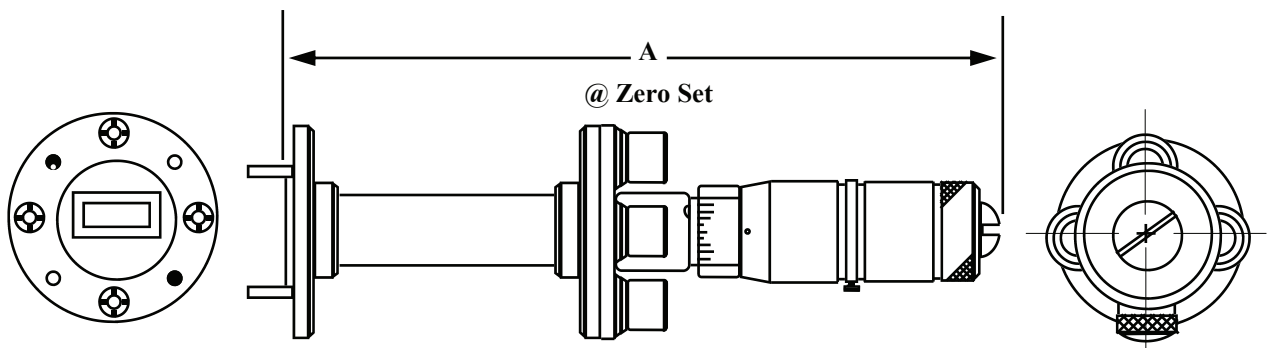
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# 590 Series Adjustable Waveguide Short Circuits

## Technical Specifications

Model Number	590Ku	590K	590A	590B	590U	590V	590E	590W	590F	590D	590G
Frequency Band (GHz)	12.4-18.0	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	110.0-170.0	140.0-220.0
VSWR Max.											
Average Power (Watts)	1.0	1.0	1.0	0.7	0.3	0.3	0.3	0.2	0.1	0.1	0.1
Weight (oz)	5.0	4.0	3.0	3.0	3.0	2.0	2.0	2.5	1.5	1.5	1.5



## Dimensional Specifications

Model Number	A	
	in	mm
585Ku	5.02	127.5
585K	4.59	116.6
585A	3.43	87.1
585B	3.43	87.1
585U	3.03	100.0
585V	3.03	76.9
585E	3.03	76.9
585W	3.03	76.9
585F	3.03	76.9
585D	2.42	61.5
585G	2.42	61.5

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