



Description

Mi-Wave's 582 Series Sliding Matched load consists micrometer drive. The load is machined to precise tolerances to permit the close fit necessary for sliding without binding.

- Low VSWR
- Precision Adjustment

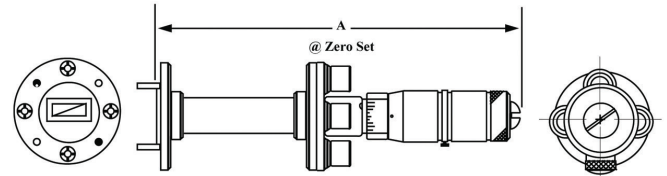
Applications

The 582 Series Sliding matched loads are designed for use in test and development sets where low VSWR is being measured. By changing the position of the sliding load, the test engineer can determine a minimum/maximum VSWR due to the phasing between the VSWR of the load and VSWR of the unit under test.

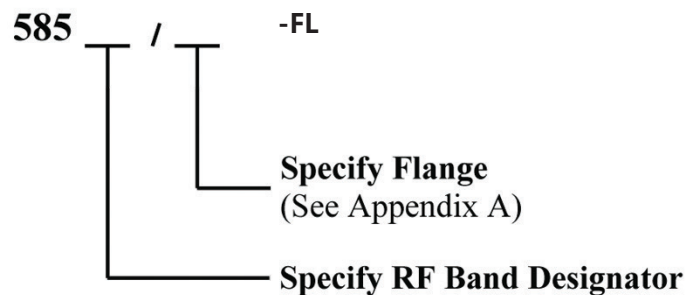
This min/max VSWR is used to determine the true VSWR of the unit under test. The 585 Series loads are also used to measure coupler directivity and residual VSWR in slotted line or other reflection measuring devices.

Dimensional Specifications

Model No.	A	
	in.	mm
585Ku	3.88	98.6
585K	2.88	73.2
585A	2.43	61.7
585B	2.43	61.7
585U	2.43	61.7
585V	2.00	50.8
585E	2.00	50.8
585W	2.00	50.8
585F	1.38	35.1
585D	1.38	35.1
585G	1.38	35.1



Ordering Information



* Consult Mi-wave for current dimensions

Technical Specifications (typical)

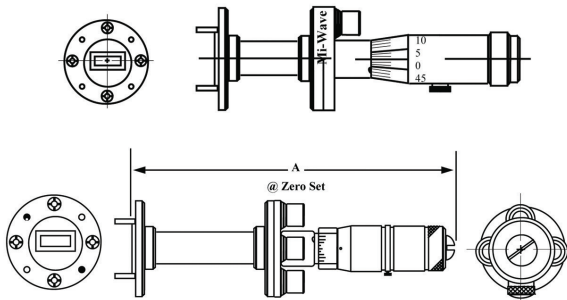
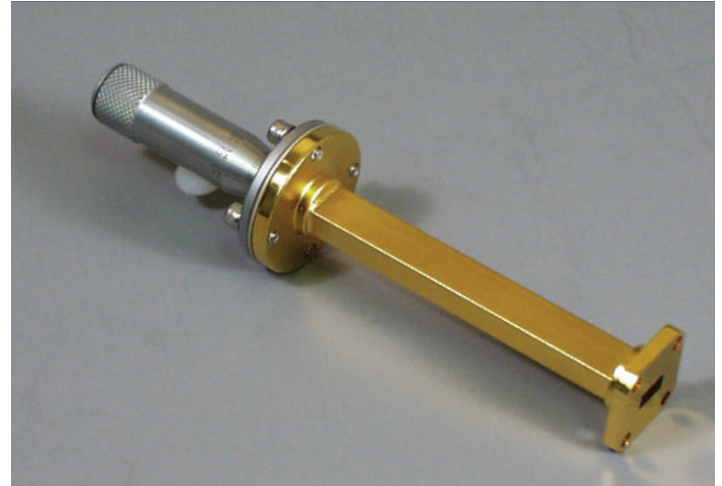
Model No.	585Ku	585K	585A	585B	585U	585V	585E	585W	585F	585D	585G
Frequency Band (GHz)	12.4–18.0	18.0–26.5	26.5–40.0	33.0–50.0	40.0–60.0	50.0–75.0	60.0–90.0	75.0–110.0	90.0–140.0	110.0–170.0	140–220
VSWR	1.05	1.05	1.05	1.05	1.05	1.06	1.06	1.08	1.08	1.08	1.10
Average Power (Watts)	1.0	1.0	1.0	5.0	0.7	0.3	0.3	0.2	0.1	0.1	0.1
Weight (oz)	3.0	3.0	3.0	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.5

Description

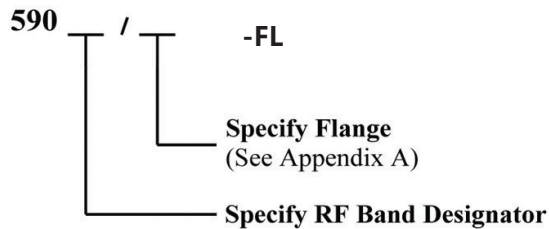
Mi-Wave's 590 Series Waveguide Short Circuits are available in standard waveguide sizes from 12.4 to 325 GHz. The non-contacting choke type short circuit is designed to operate with high electrical stability over a broad range of frequencies. The micrometer drive provides smooth, accurate positional tuning over the entire distance traveled and a positive locking device ensures continued setting reliability.

The 595 Series is a fixed short circuit

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



Ordering Information



Dimensional Specifications

Model No.	A	
	in.	mm
590Ku	5.02	127.5
590K	4.59	116.6
590A	3.43	87.1
590B	3.43	87.1
590U	3.03	100.0
590V	3.03	76.9
76.9	3.03	76.9
590W	3.03	76.9
590F	3.03	76.9
590D	2.42	61.5
590G	2.42	61.5

Technical Specifications (typical)

Model No.	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	140–220