585 Series Sliding Matched Terminations

MI-WAVE
Millimeter Wave Products Inc.

Features

- Low VSWR
- Precision Adjustment

Ordering Information

585 /

Specify Flange
(See Appendix A)

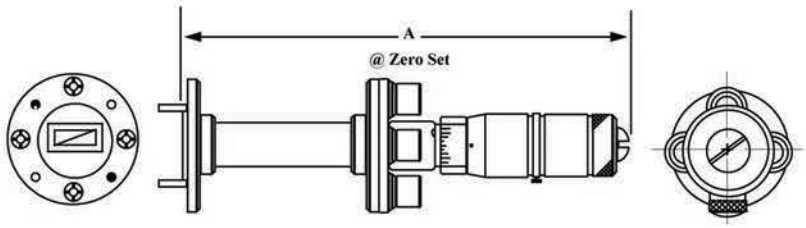
Specify RF Band Designator

Description

Mi-Wave's 585 series sliding matched load consists of a precision-tapered waveguide load coupled to a micrometer drive. The load is machined to precise tolerances to permit the close fit necessary for sliding without binding.

Applications

The 585 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	6.93	176.0
585K	6.32	160.5
585A	4.94	125.5
585B	4.38	111.1
585U	3.94	100.0
585V	3.78	96.0
585E	3.78	96.0
585W	3.28	83.3
585F	3.03	76.9
585D	3.03	76.9
585G	3.03	76.9

Technical Specifications

Model Number	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	140.0-220.0
VSWR Max.	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	0.7	0.3	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