

# 620 Series

# E/H Plane Tuners



## Features

- Micrometer Driven
- Non-Contacting Choke-Type Short Circuits

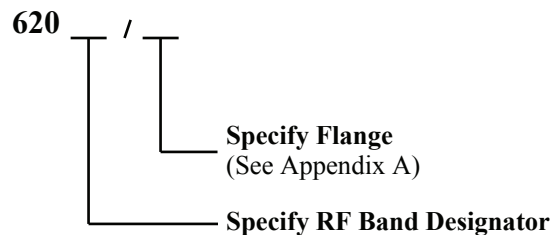
## Description 620 Series E/H Plane Tuners

**Mi-Wave's** 620 series E/H plane tuners are hybrid tee section available in standard waveguide sizes for operation from 12.4 to 220 GHz. The devices feature micrometer-driven tunable shorts in both the E-plane and H-plane arms for accurate tuning and reproducible settings. The internal short circuits are non-contacting, choke-type plungers that provide a highly stable electrical short. Locking devices ensure continued setting reliability under all normal conditions of test bench shock and vibration. The shorts travel a minimum of one-half wavelength at the lowest frequency.

## Applications

The 620 series tuners are excellent millimeter wave impedance matching networks designed to provide the reliable mismatch control required in most experimental and developmental test applications. These tuners introduce discontinuities into the waveguide transmission line for simultaneous control of both phase and amplitude of the RF reflection coefficient. They can be used as matching devices to cancel reflections in transmission lines or to match detectors, terminations, and similar components.

## Ordering Information



## Mi-Wave

Millimeter Wave Products Inc.

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

2200 Tall Pines Drive, Suite 100

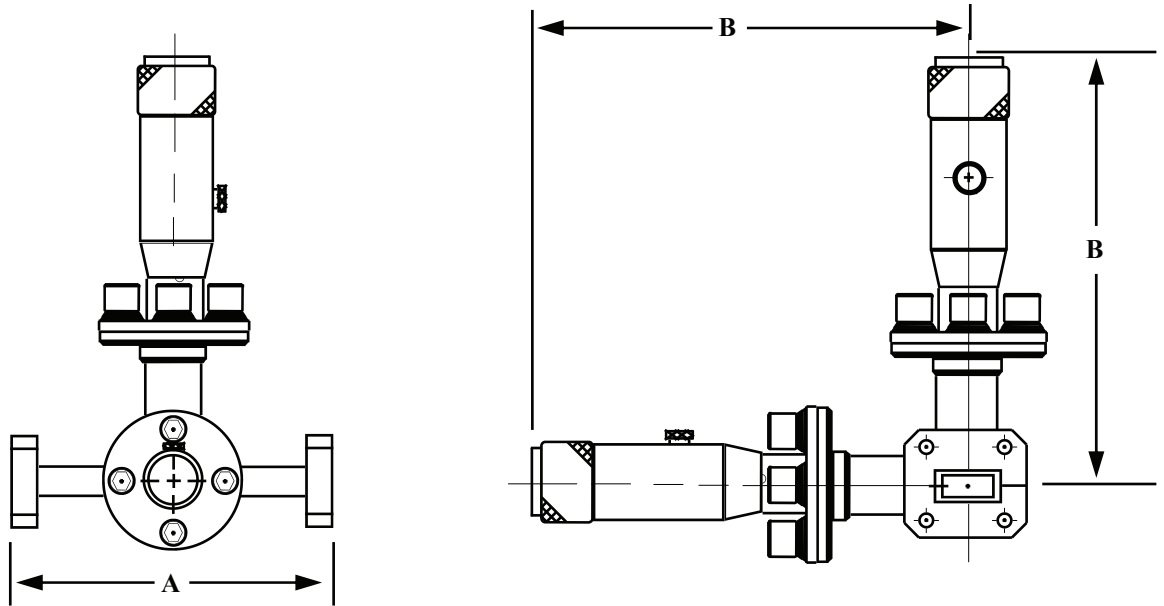
Largo, FL 33771

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

E: [sales@miwv.com](mailto:sales@miwv.com)

# 620 Series

# E/H Plane Tuners



## Dimensional Specifications

Model Number	A		B		Weight (oz)
	in	mm	in	mm	
620Ku	2.50	63.5	5.78	146.81	12
620K	2.50	63.5	4.86	123.44	10
620A	2.50	63.5	2.95	74.93	9.5
620B	2.50	63.5	2.92	74.17	9.0
620U	2.50	63.5	2.90	73.66	7.0
620V	2.00	50.8	2.28	57.91	3.5
620E	2.00	50.8	2.26	57.40	2.0
620W	2.00	50.8	2.25	57.15	2.0
620F	1.50	38.1	2.12	53.8	1.5
620D	1.50	38.1	2.12	53.8	1.5
620G	1.50	38.1	2.12	53.8	1.3

**Mi-Wave**

Millimeter Wave Products, Inc.

www.miww.com

Tel. (727) 536-0033

Fax. (727) 536-0012

E: sales@miww.com