

# 520 Series Uncalibrated Variable Attenuators



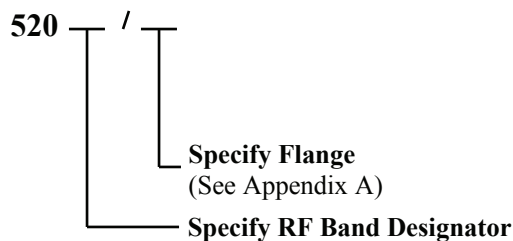
## Features

- Dial Driven
- Compact, Mechanically Stable Design
- Wide Range of Attenuation Values
- Smooth, Spring-Loaded Setting Control

## Description 520 Series Attenuators

**Mi-Wave's** 520 series uncalibrated variable attenuators are available in standard waveguide sizes from 26.5 to 220 GHz. The attenuating element in each unit provides variable attenuation, from 0 dB to 25 dB minimum. Precision-designed internal controls are accurately contoured to provide a low bilateral VSWR and minimum variation of attenuation with frequency.

## Ordering Information



## Applications

The 520 series uncalibrated variable attenuators are useful in applications that require a reliable level-setting or isolating pad. They provide maximum accuracy in establishing initial power levels in substitution-method attenuation measurements. Designed to maintain reliable performance for accurate test measurements, the stable setting control of these devices maintains constant attenuation under all normal conditions of vibration and orientation.

## **Mi-Wave**

Millimeter Wave Products Inc.

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

2200 Tall Pines Drive, Suite 100

Largo, FL 33771

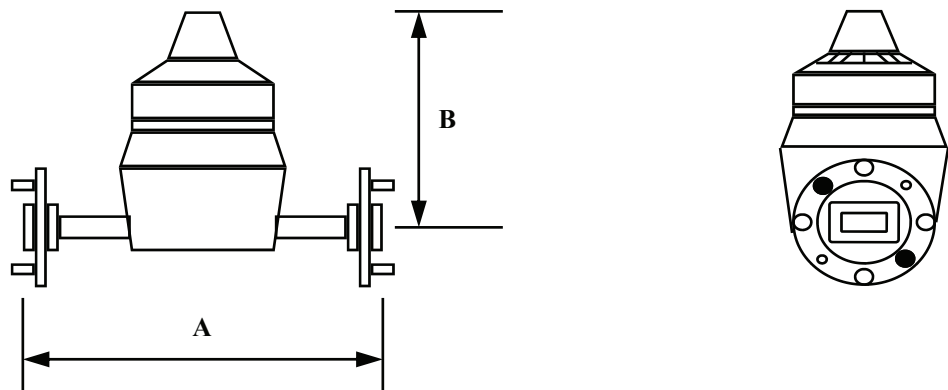
Tel. (727) 536-0033 Fax. (727) 536-0012

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

# 520 Series      Uncalibrated Variable Attenuators

## Technical Specifications

Model Number	520K	520A	520B	520U	520V	520E	520W	520F	520D	520G
Frequency Band (GHz)	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 Max.	1.15	1.15	1.15	1.15	1.15	1.15	1.20	1.25	1.25	1.30
Attenuation Range (dB) Min.	0-30	0-30	0-30	0-30	0-30	0-25	0-25	0-25	0-25	0-25
Insertion Loss @ 0 Setting (dB)	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.7
Weight (oz.)	8.0	6.0	6.0	6.0	3.0	3.0	3.0	2.5	2.5	2.5
Average Power (Watts)	1.5	1.0	1.0	1.0	0.6	0.6	0.5	0.3	0.2	0.1



## Dimensional Specifications

Model No.	A		B	
	in	mm	in	mm
520K	3.00	76.2	2.35	59.7
520A	2.75	69.9	2.16	54.9
520B	2.75	69.9	2.16	54.9
520U	2.75	69.9	2.16	54.9
520V	2.50	63.5	1.94	49.3
520E	2.50	63.5	1.94	49.3
520W	2.50	63.5	1.94	49.3
520F	2.00	50.8	1.94	49.3
520D	2.00	50.8	1.94	49.3
520G	2.00	50.8	1.94	49.3

**Mi-Wave**

Millimeter Wave Products, Inc.

www.miww.com

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

E: sales@miww.com