

521 Series Fixed Attenuators

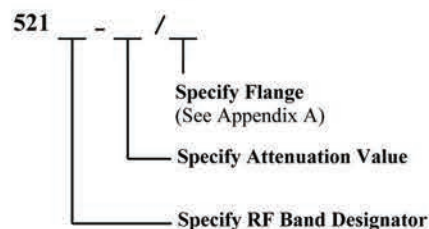
MI-WAVE
Millimeter Wave Products Inc.



Features

- Wide Range of Accurately Calibrated Values
- Available in Every Waveguide Size from 8 to 220 GHz

Ordering Information



Please specify center frequency at time of order.

Description

Mi-Wave's 521 series fixed attenuators are available in attenuation values up to 30 dB for each waveguide band from 8 to 220 GHz. Each fixed attenuator is calibrated at the exact frequency specified and is accurate within 0.1 dB or 1%.

Applications

The 521 series fixed attenuators are used in millimeter wave applications that require accurate fixed attenuation levels in waveguide transmission lines. All units are H-plane fixed attenuators. The attenuators are useful for isolating generators from mismatched load effects. They are also used for extending the frequency ranges of power measuring equipment and for accurately reducing signal source output levels.

Other bands available.

WR-90

WR-75

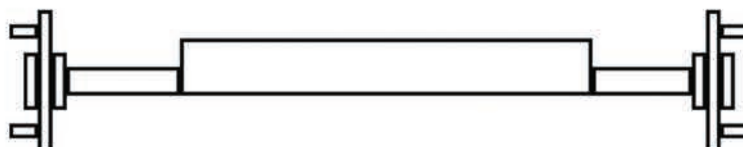
WR-62

WR-51

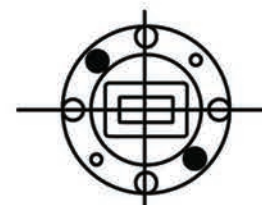
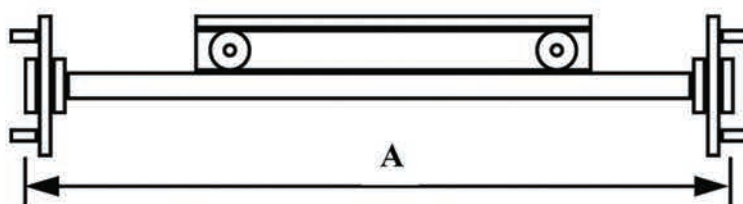
WR-34

Dimensional Specifications

Model No	B	
	in	mm
521K	3.00	76.2
521A	2.75	69.9
521B	2.75	69.9
521U	2.75	69.9
521V	2.00	50.8
521E	2.00	50.8
521W	2.00	50.8
521F	2.00	50.8
521D	2.00	50.8
521G	2.00	50.8



Custom High Power Versions Available



Technical Specifications (typical)

Model No	521K	521A	521B	521U	521V	521E	521W	521F	521D	521G
Frequency Band (GHz)	18-26.5	26.5-40	33-50	40-60	50-75	60-90	75-110	90-140	110-170	140-220
VSWR Max.	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.20	1.20	1.30
Attenuation Range (dB) Min.	0-30	0-30	0-30	0-30	0-30	0-30	0-30	0-30	0-30	0-30
Average Power (watts) Max.	1.5	1.0	1.0	1.0	0.6	0.6	0.5	0.3	0.2	0.1
Weight (oz)	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0