

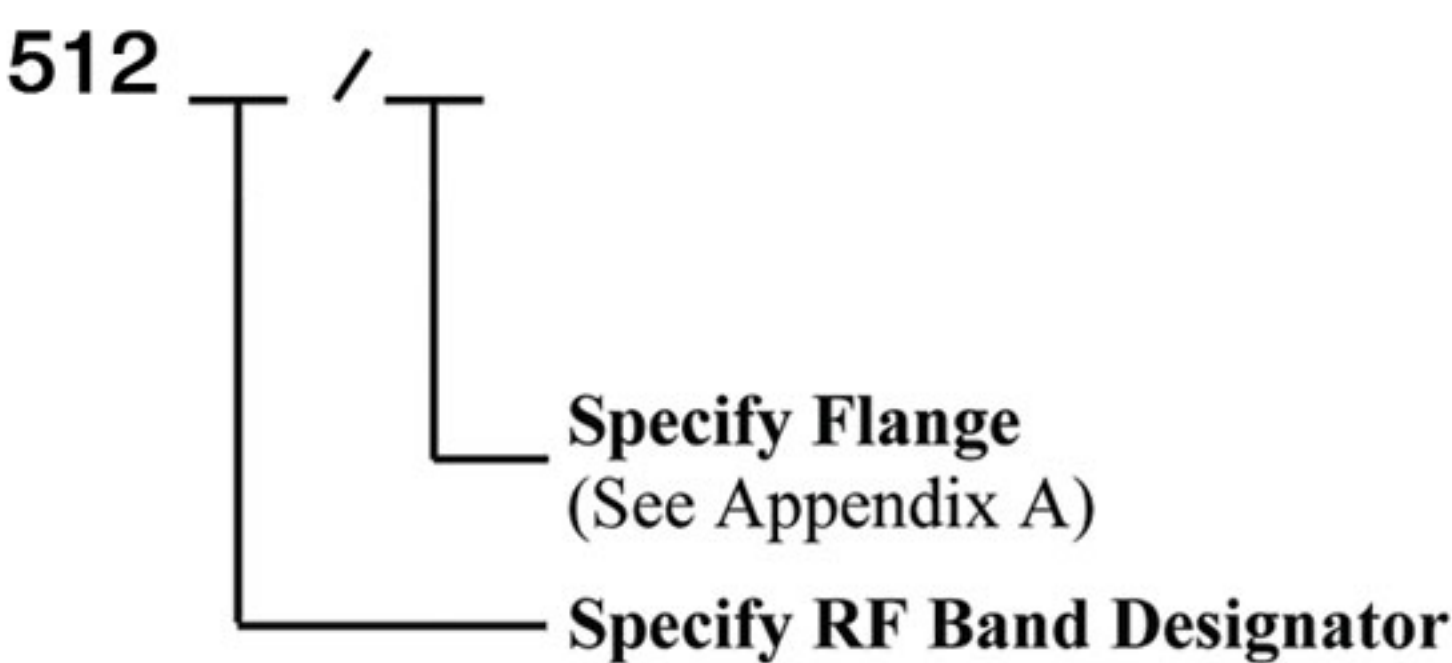
512 Series Dual Programmable Rotary Vane Attenuators



Features

- Low Cost
- Compact Size
- 5.0 to 220 GHz
- High Accuracy
- Highly Reliable
- Digital Readout
- Low Insertion Loss
- IEEE-488 Interface
- Full Waveguide Bands
- Manual Operation Mode

Ordering Information



Example :
512A/599
Frequency Range 26.5 to 40 GHz
UG-599/U Flange

Description

Mi-Wave's 512 series precision programmable rotary vane attenuators are available in full waveguide bands from 5.0 to 220.0 GHz. Attenuation control is performed manually via a front panel or remote controlled using a standard IEEE-488 interface. The attenuators' small compact size incorporates both the electronic controller and microwave components. The unit operates from a single +24 volt DC source or with an optional AC adapter.

Attenuation range is from 0 to 120 dB in 0.1 dB steps with 0.05 dB steps from 0 to 20 dB. A digital readout is provided on the front panel to display attenuation settings. The attenuators are highly reliable and designed to be used in ATE and remote power control applications. RS-232 Control Also Available.

Applications

- Instrumentation
- Remote Control of RF Power Levels
- Fade Margin Testing of Microwave & Millimeter Radios
- Fade Margin Testing of Microwave & Millimeter Radio Equipment

Technical Specifications (typical)

Model No	Frequency Band (GHz)	Waveguide (WR)	Insertion Loss (Max.)	VSWR (Max.)	Power (Max.)
512XL	7.0 - 10.0	112	1.0 dB	1.2:1	5 watts
512X	8.2 - 12.4	90	1.0 dB	1.2:1	2 watts
512XS	10.0 - 15.0	75	1.0 dB	1.25:1	2 watts
512KU	12.4 - 18.0	62	1.0 dB	1.25:1	2 watts
512K	18.0 - 26.5	42	1.0 dB	1.15:1	1 watt
512A	26.5 - 40.0	28	1.0 dB	1.15:1	0.5 watt
512B	33.0 - 50.0	22	1.1 dB	1.15:1	0.5 watt
512U	40.0 - 60.0	19	1.3 dB	1.15:1	0.4 watt
512V	50.0 - 75.0	15	1.7 dB	1.20:1	0.3 watt
512E	60.0 - 90.0	12	1.9 dB	1.2:1	0.25 watt
512W	75.0 - 110.0	10	2.5 dB	1.2:1	0.25 watt
512F	90.0 - 140.0	8	2.9 dB	1.3:1	0.2 watt
					0.2 watt
					0.2 watt

