

Series 7500

WAVETEK
Attenuators

- BROADBAND OPERATION
- LOW VSWR
- HIGHLY ACCURATE
- OEM, LAB, AND FIELD USE

The 7500 Series Attenuators are miniature turret type units that operate over wide frequency ranges. They are ideal for bench setups, field use or incorporation into test instruments.

The 7500 Series (75 ohm) units cover the dc to 1000 MHz range. They are designed primarily for the CATV industry and have VSWR's of less than 1.1 up to 500 MHz (26 dB return loss).

Units having 1 dB, 10 dB, 35 dB, and 70 dB of attenuation, variable in 0.1, 1, 5, and 10 dB steps, are available in either 50-ohm or 75-ohm versions.

Model 7580 is a dual concentric type attenuator that provides a total of 80 dB attenuation, variable in 1 dB steps.

All units are direct reading, ruggedly constructed, and have provisions for panel mounting.



The Model 7580.1 (75 ohm) attenuator set consists of 10 dB, 1 dB, and 0.1 dB turret type attenuators, mounted in a cabinet ideally suited for bench-top use.

The total attenuation range is 0 to 81 dB with a fixed 1 dB insertion loss. Attenuation accuracy is ± 1.0 dB from dc to 500 MHz, and ± 2.0 dB from dc to 1,000 MHz. Maximum input power is 0.5W.

BNC connectors are standard, however, F fittings are available at no additional cost.

Specifications

Attenuation

0 to 81 dB in 0.1 dB steps.

Frequency Range

DC to 1000 MHz

Impedance

75 ohm.

Insertion Loss

1 dB (Min Atten) + 1 dB max.

Accuracy

± 1 dB to 500 MHz; ± 2 dB to 1000 MHz.

VSWR

1.2:1 dc to 500 MHz; 1.3:1 dc to 1000 MHz.

Max. Input Power

0.5 Watt.

Connectors

BNC.

Dimension

4" H x 7" W x 4" D.

7500 SERIES (75 OHM) ATTENUATORS

MODEL	7510	7535	7570	7580
Attention	0 to 10 dB in 1 dB steps	0 to 35 dB in 5 dB steps	0 to 70 dB in 10 dB steps	0 to 80 dB in 1 dB steps
Frequency Range	0 to 1000 MHz	0 to 1000 MHz	0 to 1000 MHz	0 to 1000 MHz
Impedance	75 ohms	75 ohms	75 ohms	75 ohms
Insertion Loss	.2 dB max.	.2 dB max.	.3 dB max.	.7 dB max.
Accuracy*	$\pm .2$ dB to 1000 MHz	$\pm .5$ dB to 500 MHz ± 1 dB to 1000 MHz	$\pm .5$ dB to 500 MHz ± 1 dB to 1000 MHz	$\pm .5$ dB to 500 MHz ± 1 dB to 1000 MHz
VSWR	1.1 max. to 500 MHz 1.2 max. to 1000 MHz	1.1 max. to 500 MHz 1.2 max. to 1000 MHz	1.1 max. to 500 MHz 1.2 max. to 1000 MHz	1.1 max. to 500 MHz 1.2 max. to 1000 MHz
Max Input Power	1.0w	1.0w	.5w	.5w
Angle between Steps	30°	45°	45°	30° 0-10 dB 45° 0-70 dB
Connectors	BNC female (F Available)	BNC female (F Available)	BNC female (F Available)	BNC female (F Available)

*All accuracy is with reference to the minimum loss position.