Benchtop Attenuators

TRILITHIC

BMA benchtop attenuators offer a wide variety of step sizes, impedances, dynamic ranges, and connectors. The units combine two or three of the RA series units in a durable case suitable for bench or portable use. The internal attenuators have specially designed RF cables routing signals from all of the units to a single pair of connectors located on the back panel.

Dimension	Model BMA-711	BMA-780	BMA-781	BMA-35110
Width (Inches)	6.625	6.625	10.125	6.59
Height (Inches)	2.625	2.625	2.625	2.48
Depth (Inches)	4.125	4.125	4.125	4.03

Excludes knobs, connectors and feet

Specifications	BMA-711*	BMA-780*	BMA-781*
Frequency Range	DC - 1 GHz	DC - 1 GHz	DC - 1 GHz
dB Value	0 to 11 by 0.1 dB	0 to 80 by 1 dB	0 to 81 by 0.1 dB
Connectors	BNC, F	BNC, F	BNC, F
Impedance	75 Ohms	75 Ohms	75 Ohms
VSWR	1.25:1 to 0.5 GHz 1.35:1 to 1 GHz	1.25:1 to 0.5 GHz 1.35:1 to 1 GHz	1.25:1 to 0.5 GHz 1.4:1 to 1 GHz
Accuracy	±0.04 dB to 0.5 GHz (0 to 1 dB) ±0.2 dB to 0.5 GHz (1 to 11 dB) ±0.06 dB to 1 GHz (0 to 1 dB) ±0.3 dB to 1 GHz (1 to 11 dB)	±0.2 dB to 0.5 GHz (0 to 10 dB) ±0.75 dB to 0.5 GHz (10 to 80 dB) ±0.3 dB to 1 GHz (0 to 10 dB) ±1.0 dB to 1 GHz (10 to 80 dB)	±0.04 dB to 0.5 GHz (0 to 1 dB) ±0.2 dB to 0.5 GHz (1 to 10 dB) ±0.75 dB to 0.5 GHz (10 to 81 dB) ±0.06 dB to 1 GHz (0 to 1 dB) ±0.3 dB to 1 GHz (1 to 10 dB) ±1.0 dB to 1 GHz (10 to 81 dB)
Insertion Loss	1.1 dB max. to 0.5 GHz 1.5 dB max. to 1 GHz	0.65 dB max. to 0.5 GHz 1 dB max. to 1 GHz	1.5 dB max. to 0.5 GHz 2 dB max. to 1 GHz
Temperature	-20° to +125°C	-20° to +125°C	-20° to +125°C
Average Power	0.5 Watt (25°C)	0.5 Watt (25°C)	1 Watt (25°C)
Peak Power	750 Watts, 3µSec. pulse	750 Watts, 3µSec. pulse	750 Watts, 3µSec. pulse
Rotation	30 degrees	30 degrees	30 degrees
Weight	2 lb. 6 oz.	2 lb. 6 oz.	3 lb. 6 oz.
Housing	Baked enamel on aluminum	Baked enamel on aluminum	Baked enamel on aluminum

* Connector types should be included in model number.
Example: BMA-780 TNC

Note: Specifications valid through rated frequency range of each model.