

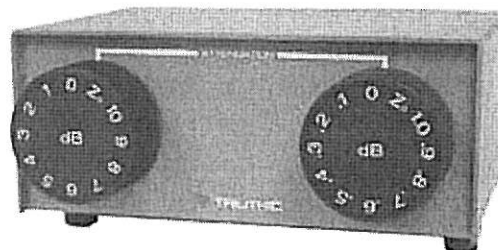


## Benchtop Attenuators

BMA benchtop attenuators offer a wide variety of step sizes, impedances, dynamic ranges, 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 been specially designed RF cables routing signals from all of the units to a single pair of connectors located on the back panel.

### Features

- Wide Frequency Range
- High Accuracy Rate
- Price Competitive
- Flexible Design Configurations



Trilithic's Bench Mount Attenuators are offered in a variety of step sizes, impedances, dynamic ranges, and connectors, and are designed for precision control of signal levels in the DC to 1.0 GHz range. The internal attenuators have specifically designed RF cables routing signals from all the units to a single pair of connectors located on the back panel. The BMA-3511, and BMA-35111 combine two or three of the quality RSA series units in a durable case suitable for bench or portable use. Please contact the factory for your custom needs.

### Specifications

	BMA-3511
FREQUENCY RANGE	DC to 1.0 GHz
IMPEDANCE	50 Ohms
ATTENUATION	0 - 11 by .1 dB
AVERAGE POWER	2 Watts (25 Degrees C)
SWITCHING LIFE	200,000 Steps Minimum
ROTATION	Clockwise for increasing attenuation in 30 degree indexing
CONNECTORS	Female: SMA, BNC, TNC, N
TEMPERATURE	0 to 50 degrees C
INSERTION LOSS	0 - 1.0 GHz 1.25 dB max
ACCURACY	0 - 1.0 GHz +/- 0.05 dB 0 - 1 dB (.1 dB steps) +/- 0.25 dB 1 - 10 dB (1 dB steps)
VSWR RETURN LOSS	FREQUENCY RANGE VSWR 0 - 1 GHz 1.3 : 1 max

**Specifications**

	<b>BMA-35111</b>
<b>FREQUENCY RANGE</b>	DC to 1.0 GHz
<b>IMPEDANCE</b>	50 Ohms
<b>ATTENUATION</b>	0 - 111 dB in .1 dB Steps
<b>AVERAGE POWER</b>	2 Watts (25 Degrees C)
<b>SWITCHING LIFE</b>	200,000 Steps Minimum
<b>ROTATION</b>	Clockwise for increasing attenuation in 30 degree indexing
<b>CONNECTORS</b>	Female: SMA, BNC, TNC, N
<b>TEMPERATURE</b>	0 to 50 degrees C
<b>INSERTION LOSS</b>	0 - 1.0 GHz 1.70 dB max
<b>ACCURACY</b>	<b>0 - 1.0 GHz</b> 0 -1 dB +/- 0.05 dB 1 -10 dB +/- 0.25 dB 10-111 dB +/- 0.35 dB or 1.5 % (Whichever is Greater)
<b>VSWR RETURN LOSS</b>	<b>FREQUENCY RANGE VSWR</b> 0 - 1.0 GHz 1.3 : 1 max

Trilithic's Bench Mount Attenuators are offered in a variety of step sizes, impedances, dynamic ranges, and connectors, and are designed for precision control of signal levels in the DC to 1.0 GHz range. The internal attenuators have specifically designed RF cables routing signals from all the units to a single pair of connectors located on the back panel. The BMA-3581 combines three of the quality RSA series units in a durable case suitable for bench or portable use. Please contact the factory for your custom needs.

Trilithic's Bench Mount Attenuators are offered in a variety of step sizes, impedances, dynamic ranges, and connectors, and are designed for precision control of signal levels in the DC to 3 GHz range. The internal attenuators have specifically designed RF cables routing signals from all the units to a single pair of connectors located on the back panel. The BMA-35110 combines two of the quality RSA series units in a durable case suitable for bench or portable use. Please contact the factory for your custom needs.

**BMA-711, 780, 781**

Trilithic's Bench Mount Attenuators are offered in a variety of step sizes, impedances, dynamic ranges, and connectors, and are designed for precision control of signal levels in the DC to 3.0 GHz range. The internal attenuators have specifically designed RF cables routing signals from all the units to a single pair of connectors located on the back panel. Note: Specifications valid through rated frequency range of each model.

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