



Figure 1.

The RA series dual concentric attenuators furnish high dynamic range and small step size in a single, ruggedized assembly. The outer control ring steps either in 1 dB or 10 dB increments while the inner knob clicks in either 0.1 dB or 1 dB steps,

depending on the model selected. The units are ideal for panel, chassis, or bench applications where two or three separate attenuators would be prohibitive due to the available space.

Specifications	RA-54*	RA-74*	RA-534*
Frequency Range	DC-1.5 GHz	DC-1 GHz	DC-0.5 GHz
dB Value	0 to 50 by 1 dB	0 to 50 by 1 dB	0 to 11 by 0.1 dB
Connectors	BNC, N, SMA, TNC	BNC, N, TNC, F	BNC, N, SMA, TNC
Impedance	50 Ohms	75 Ohms	50 Ohms
VSWR	1.2:1 to 0.5 GHz 1.3:1 to 1 GHz 1.5:1 to 1.5 GHz	1.2:1 to 0.5 GHz 1.3:1 to 1 GHz 1.5:1 to 1.5 GHz	1.15:1 to 0.5 GHz
Accuracy	±0.2 dB to 0.03 GHz ±0.3 dB to 0.5 GHz ±0.4 dB to 1 GHz (0 to 10 dB) ±1 dB to 1 GHz (11 to 50 dB) ±0.6 dB to 1.5 GHz (0 to 10 dB) ±1.5 dB to 1.5 GHz (11 to 50 dB)	±0.2 dB to 0.03 GHz ±0.3 dB to 0.5 GHz ±0.4 dB to 1 GHz (0 to 10 dB) ±1 dB to 1 GHz (11 to 50 dB)	±0.02 dB to 0.03 GHz (0 to 1 dB) ±0.1 dB to 0.03 GHz (1 to 11 dB) ±0.03 dB to 0.5 GHz (0 to 1 dB) ±0.2 dB to 0.5 GHz (1 to 11 dB)
Insertion Loss	0.3 dB max. to 1 GHz 0.5 dB max. to 1.5 GHz	0.3 dB max. to 1 GHz 0.5 dB max. to 1.5 GHz	0.7 dB max. to 0.5 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)	0.5 Watt (25°C)
Peak Power	750 Watts, 3μSec. pulse	750 Watts, 3μSec. pulse	750 Watts, 3μSec. pulse
Rotation	30 degrees (0 to 10 dB); 60 degrees (10 to 40 dB)	30 degrees (0 to 10 dB); 60 degrees (10 to 40 dB)	30 degrees
Weight	16 ounces	16 ounces	16 ounces
Housing	Irridited Aluminum	Irridited Aluminum	Irridited Aluminum
Dimensions	See Figure 1	See Figure 1	See Figure 1