

LADDER: MAKE-BEFORE-BREAK

Fill in your dB step attenuation in column C10:C32 and the desired input impedance of the 24-step attenuator in \$c\$3
 The resulting resistor values for Ra and Rb of the E96 range are displayed in Column G and I,
 ONLY CHANGE THE BLUE FIELDS!!!

Desired impedance: **10,000** Ohms
 Max Attenuation: **62.00** dB Sum of all steps in column d

Position	Pin From	Pin To	dB Step	dB attn	Desired Ra	Closest val E96 std 1%	Desired Rb	Resulting dB dB attn	Resulting dB Step	
1	GND		0	infinite	10,000	10,000	0	#N/A	infinite	In position 0, the amp is "off"
2	1	2	8	-62.00	9,992	10,000	8	8	-62.09	-8.09
3	2	3	6	-54.00	9,980	10,000	20	20	-54.00	-6.05
4	3	4	5	-48.00	9,960	10,000	40	40	-47.95	-4.97
5	4	5	3.5	-43.00	9,929	10,000	71	72	-42.98	-3.31
6	5	6	3	-39.50	9,894	10,000	106	105	-39.67	-3.27
7	6	7	2.5	-36.50	9,850	9,760	150	150	-36.40	-2.46
8	7	8	2	-34.00	9,800	9,760	200	200	-33.94	-1.86
9	8	9	2	-32.00	9,749	9,760	251	249	-32.08	-2.01
10	9	10	2	-30.00	9,684	9,760	316	316	-30.07	-2.22
11	10	11	2	-28.00	9,602	9,530	398	402	-27.86	-1.79
12	11	12	2	-26.00	9,499	9,530	501	499	-26.06	-2.15
13	12	13	2	-24.00	9,369	9,310	631	634	-23.91	-1.75
14	13	14	2	-22.00	9,206	9,310	794	787	-22.16	-2.09
15	14	15	2	-20.00	9,000	9,090	1,000	1,000	-20.08	-2.21
16	15	16	2	-18.00	8,741	8,660	1,259	1,270	-17.86	-1.81
17	16	17	2	-16.00	8,415	8,450	1,585	1,580	-16.05	-2.02
18	17	18	2	-14.00	8,005	8,060	1,995	2,000	-14.03	-1.96
19	18	19	2	-12.00	7,488	7,500	2,512	2,490	-12.07	-2.09
20	19	20	2	-10.00	6,838	6,810	3,162	3,160	-9.98	-2.01
21	20	21	2	-8.00	6,019	6,040	3,981	4,020	-7.97	-1.95
22	21	22	3	-6.00	4,988	4,990	5,012	4,990	-6.02	-3.03
23	22	23	3	-3.00	2,921	2,940	7,079	7,150	-2.99	-2.99
24	23	24	0	0.00	0	0	10,000	10,000	0.00	0.00
Total			62					check	-62	