

# DECIBEL TABLE

Voltage Ratio (Equal Impedance)	Power Ratio	← - db + →	Voltage Ratio (Equal Impedance)	Power Ratio
1.000	1.000	0	1.000	1.000
0.989	0.977	0.1	1.012	1.023
0.977	0.955	0.2	1.023	1.047
0.966	0.933	0.3	1.035	1.072
0.955	0.912	0.4	1.047	1.096
0.944	0.891	0.5	1.059	1.122
0.933	0.871	0.6	1.072	1.148
0.923	0.851	0.7	1.084	1.175
0.912	0.832	0.8	1.096	1.202
0.902	0.813	0.9	1.109	1.230
0.891	0.794	1.0	1.122	1.259
0.841	0.708	1.5	1.189	1.413
0.794	0.631	2.0	1.259	1.585
0.750	0.562	2.5	1.334	1.778
0.708	0.501	3.0	1.413	1.995
0.668	0.447	3.5	1.496	2.239
0.631	0.398	4.0	1.585	2.512
0.596	0.355	4.5	1.679	2.818
0.562	0.316	5.0	1.778	3.162
0.531	0.282	5.5	1.884	3.548
0.501	0.251	6.0	1.995	3.981
0.473	0.224	6.5	2.113	4.467
0.447	0.200	7.0	2.239	5.012
0.422	0.178	7.5	2.371	5.623
0.398	0.159	8.0	2.512	6.310
0.376	0.141	8.5	2.661	7.079
0.355	0.126	9.0	2.818	7.943
0.335	0.112	9.5	2.985	8.913
0.316	0.100	10	3.162	10.00
0.282	0.0794	11	3.55	12.6
0.251	0.0631	12	3.98	15.9
0.224	0.0501	13	4.47	20.0
0.200	0.0398	14	5.01	25.1
0.178	0.0316	15	5.62	31.6
0.159	0.0251	16	6.31	39.8
0.141	0.0200	17	7.08	50.1
0.126	0.0159	18	7.94	63.1
0.112	0.0126	19	8.91	79.4
0.100	0.0100	20	10.00	100.0
$3.16 \times 10^{-2}$	$10^{-3}$	30	$3.16 \times 10$	$10^3$
$10^{-1}$	$10^{-4}$	40	$10^2$	$10^4$
$3.16 \times 10^{-3}$	$10^{-5}$	50	$3.16 \times 10^2$	$10^5$
$10^{-2}$	$10^{-6}$	60	$10^3$	$10^6$
$3.16 \times 10^{-4}$	$10^{-7}$	70	$3.16 \times 10^3$	$10^7$
$10^{-3}$	$10^{-8}$	80	$10^4$	$10^8$
$3.16 \times 10^{-5}$	$10^{-9}$	90	$3.16 \times 10^4$	$10^9$
$10^{-4}$	$10^{-10}$	100	$10^5$	$10^{10}$
$3.16 \times 10^{-6}$	$10^{-11}$	110	$3.16 \times 10^5$	$10^{11}$
$10^{-5}$	$10^{-12}$	120	$10^6$	$10^{12}$