

Conversion Table (2)

Decibel to Ratio 0–19 dB



Ratio downwards (-)		dB	Ratio upwards (+)	
Power	Voltage		Voltage	Power
1.0	1.0	0	1.0	1.0
0.977	0.989	0.1	1.01	1.02
0.955	0.977	0.2	1.02	1.05
0.933	0.966	0.3	1.04	1.07
0.912	0.955	0.4	1.05	1.10
0.891	0.944	0.5	1.06	1.12
0.871	0.933	0.6	1.07	1.15
0.851	0.923	0.7	1.08	1.18
0.832	0.912	0.8	1.10	1.20
0.813	0.902	0.9	1.11	1.23
0.794	0.891	1.0	1.12	1.26
0.759	0.871	1.2	1.15	1.32
0.724	0.851	1.4	1.18	1.38
0.692	0.832	1.6	1.20	1.45
0.661	0.813	1.8	1.23	1.51
0.631	0.794	2.0	1.26	1.59
0.603	0.776	2.2	1.29	1.66
0.575	0.759	2.4	1.32	1.74
0.550	0.741	2.6	1.35	1.82
0.525	0.724	2.8	1.38	1.91
0.501	0.708	3.0	1.41	2.00
0.447	0.669	3.5	1.50	2.24
0.398	0.631	4.0	1.59	2.51
0.355	0.596	4.5	1.68	2.82
0.316	0.562	5.0	1.78	3.16
0.282	0.531	5.5	1.88	3.55
0.251	0.501	6	2.00	3.99
0.200	0.447	7	2.24	5.01
0.159	0.398	8	2.51	6.31
0.126	0.355	9	2.82	7.94
0.100	0.316	10	3.16	10.0
0.0794	0.282	11	3.55	12.6
0.0631	0.251	12	3.98	15.9
0.0501	0.224	13	4.47	20.0
0.0398	0.200	14	5.01	25.1
0.0316	0.178	15	5.62	31.6
0.0251	0.159	16	6.31	39.8
0.0200	0.141	17	7.08	50.1
0.0159	0.126	18	7.94	63.1
0.0126	0.112	19	8.91	79.4