

## 功率、电压、分贝换算表 Power、Voltage、dB Conversion Table

dB	功率系数 Power Coefficient	电压系数 Voltage Coefficient	dB	功率系数 Power Coefficient	电压系数 Voltage Coefficient	dB	功率系数 Power Coefficient	电压系数 Voltage Coefficient
			21	125.8925412	11.22018454	61	1258925.412	1122.018454
0	1	1	22	158.4893192	12.58925412	62	1584893.192	1258.925412
0.1	1.023292992	1.011579454	23	199.5262315	14.12537545	63	1995262.315	1412.537545
0.2	1.047128548	1.023292992	24	251.1886432	15.84893192	64	2511886.432	1584.893192
0.3	1.071519305	1.035142167	25	316.227766	17.7827941	65	3162277.66	1778.27941
0.4	1.046478196	1.047128548	26	398.1071706	19.95262315	66	3981071.706	1995.262315
0.5	1.122018454	1.059253725	27	501.1872336	22.38721139	67	5011872.336	2238.721139
0.6	1.148153621	1.071519305	28	630.9573445	25.11886432	68	6309573.445	2511.886432
0.7	1.174897555	1.803926914	29	794.3282347	28.18382931	69	7943282.347	2818.382931
0.8	1.202264435	1.096478196	30	1000	31.6227766	70	10000000	3162.27766
0.9	1.230268771	1.109174815	31	1258.925412	35.48133892	71	12589254.12	3548.133892
1	1.258925412	1.122018454	32	1584.893192	39.81071706	72	15848931.92	3981.071706
1.5	1.412537545	1.188502227	33	1995.262315	44.66835922	73	19952623.15	4466.835922
2	1.584893192	1.258925412	34	2511.886432	50.11872336	74	25118864.32	5011.872336
2.5	1.77827941	1.333521432	35	3162.27766	56.23413252	75	31622776.6	5623.413252
3	1.995262315	1.412537545	36	3981.071706	63.09573445	76	39810717.06	6309.573445
3.5	2.238721139	1.496235656	37	5011.872336	70.79457844	77	50118723.36	7079.457844
4	2.511886432	1.584893192	38	6309.573445	79.43282347	78	63095734.45	7943.282347
4.5	2.819838293	1.678804018	39	7943.282347	89.12509381	79	79432823.47	8912.509381
5	3.16227766	1.77827941	40	10000	100	80	100000000	10000
5.5	3.548133829	1.883649089	41	12589.25412	112.2018454	81	125892541.2	11220.18454
6	3.981071706	1.995262315	42	15848.93192	125.8925412	82	158489319.2	12589.25412
6.5	4.466835922	2.11348904	43	19952.62315	141.2537545	83	199526231.5	14125.37545
7	5.011872336	2.238721139	44	25118.86432	158.4893192	84	251188643.2	15848.93192
7.5	5.623413252	2.371373706	45	31622.7766	177.827941	85	316227766	17782.7941
8	6.309573445	2.511886432	46	39810.71706	199.5262315	86	398107170.6	19952.62315
8.5	7.079497844	2.66072506	47	50118.72336	223.8721139	87	501187233.6	22387.21139
9	7.943282347	2.818382931	48	63095.73445	251.1886432	88	630957344.5	25118.86432
9.5	8.912509381	2.985382619	49	79432.82347	281.8382931	89	794328234.7	28183.82931
10	10	3.16227766	50	100000	316.227766	90	1000000000	31622.7766
11	12.58925412	3.548133892	51	125892.5412	354.8133892	91	1258925412	35481.33892
12	15.84893192	3.981071706	52	158489.3192	398.1071706	92	1584893192	39810.71706
13	19.95262315	4.466835922	53	199526.2315	446.6835922	93	1995262315	44668.35922
14	25.11886432	5.011872336	54	251188.6432	501.1872336	94	2511886432	50118.72336
15	31.6227766	5.623413252	55	316227.766	562.3413252	95	3162277660	56234.13252
16	39.81071706	6.309573445	56	398107.1706	630.9573445	96	3981071706	63095.73445
17	50.11872336	7.079457844	57	501187.2336	707.9457844	97	5011872336	70794.57844
18	63.09573445	7.943282347	58	630957.3445	794.3282347	98	6309573445	79432.82347
19	79.43282347	8.912509381	59	794328.2347	891.2509381	99	7943282347	89125.09381
20	100	10	60	1000000	1000	100	10000000000	100000

Note: 1. Multiplied by the appropriate coefficient; 2. Use voltage coefficient transform into S parameters.

注：1.乘适当的系数；2.用电压系数变换为S参数。

TEL: +86-28-84300332/84300037 FAX: +86-28-84300332-807

http://www.wtmicrowave.com E-mail: sales@wtmicrowave.com, tech@wtmicrowave.com

## 功率、电压、分贝换算表 Power、Voltage、dB Conversion Table

dB	功率系数 Power Coefficient	电压系数 Voltage Coefficient	dB	功率系数 Power Coefficient	电压系数 Voltage Coefficient	dB	功率系数 Power Coefficient	电压系数 Voltage Coefficient
			-21	0.007943282	0.089125094	-61	7.94328E-07	0.000891251
0	1	1	-22	0.006309573	0.079432823	-62	6.30957E-07	0.000794328
-0.1	0.977237221	0.988553095	-23	0.005011872	0.070794578	-63	5.01187E-07	0.000707946
-0.2	0.954992586	0.977237221	-24	0.003981072	0.063095734	-64	3.98107E-07	0.000630957
-0.3	0.933254301	0.966050879	-25	0.003162278	0.056234133	-65	3.16228E-07	0.000562341
-0.4	0.912010839	0.954992586	-26	0.002511886	0.050118723	-66	2.51189E-07	0.000501187
-0.5	0.891250938	0.944060876	-27	0.001995262	0.044668359	-67	1.99526E-07	0.000446684
-0.6	0.87096359	0.933254301	-28	0.001584893	0.039810717	-68	1.58489E-07	0.000398107
-0.7	0.851138038	0.922571427	-29	0.001258925	0.035481339	-69	1.25893E-07	0.000354813
-0.8	0.831763771	0.912010839	-30	0.001	0.031622777	-70	0.0000001	0.000316228
-0.9	0.812830516	0.901571138	-31	0.000794328	0.028183829	-71	7.94328E-08	0.000281838
-1	0.794328235	0.891250938	-32	0.000630957	0.025118864	-72	6.30957E-08	0.000251189
-1.5	0.707945784	0.841385142	-33	0.000501187	0.022387211	-73	5.01187E-08	0.000223872
-2	0.630957344	0.794328235	-34	0.000398107	0.019952623	-74	3.98107E-08	0.000199526
-2.5	0.562341325	0.749894209	-35	0.000316228	0.017782794	-75	3.16228E-08	0.000177828
-3	0.501187234	0.707945784	-36	0.000251189	0.015848932	-76	2.51189E-08	0.000158489
-3.5	0.446683592	0.668343918	-37	0.000199526	0.014125375	-77	1.99526E-08	0.000141254
-4	0.398107171	0.630957344	-38	0.000158489	0.012589254	-78	1.58489E-08	0.000125893
-4.5	0.354813389	0.595662144	-39	0.000125893	0.011220185	-79	1.25893E-08	0.000112202
-5	0.316227766	0.562341325	-40	0.0001	0.01	-80	0.00000001	0.0001
-5.5	0.281838293	0.530884444	-41	7.94328E-05	0.008912509	-81	7.94328E-09	8.91251E-05
-6	0.251188643	0.501187234	-42	6.30957E-05	0.007943282	-82	6.30957E-09	7.94328E-05
-6.5	0.223872114	0.473151259	-43	5.01187E-05	0.007079458	-83	5.01187E-09	7.07946E-05
-7	0.199526231	0.446683592	-44	3.98107E-05	0.006309573	-84	3.98107E-09	6.30957E-05
-7.5	0.177827941	0.421696503	-45	3.16228E-05	0.005623413	-85	3.16228E-09	5.62341E-05
-8	0.158489319	0.398107171	-46	2.51189E-05	0.005011872	-86	2.51189E-09	5.01187E-05
-8.5	0.141253754	0.375837404	-47	1.99526E-05	0.004466836	-87	1.99526E-09	4.46684E-05
-9	0.125892541	0.354813389	-48	1.58489E-05	0.003981072	-88	1.58489E-09	3.98107E-05
-9.5	0.112201845	0.334965439	-49	1.25893E-05	0.003548134	-89	1.25893E-09	3.54813E-05
-10	0.1	0.316227766	-50	0.00001	0.003162278	-90	0.000000001	3.16228E-05
-11	0.079432823	0.281838293	-51	7.94328E-06	0.002818383	-91	7.94328E-10	2.81838E-05
-12	0.063095734	0.251188643	-52	6.30957E-06	0.002511886	-92	6.30957E-10	2.51189E-05
-13	0.050118723	0.223872114	-53	5.01187E-06	0.002238721	-93	5.01187E-10	2.23872E-05
-14	0.039810717	0.199526231	-54	3.98107E-06	0.001995262	-94	3.98107E-10	1.99526E-05
-15	0.031622777	0.177827941	-55	3.16228E-06	0.001778279	-95	3.16228E-10	1.77828E-05
-16	0.025118864	0.158489319	-56	2.51189E-06	0.001584893	-96	2.51189E-10	1.58489E-05
-17	0.019952623	0.141253754	-57	1.99526E-06	0.001412538	-97	1.99526E-10	1.41254E-05
-18	0.015848932	0.125892541	-58	1.58489E-06	0.001258925	-98	1.58489E-10	1.25893E-05
-19	0.012589254	0.112201845	-59	1.25893E-06	0.001122018	-99	1.25893E-10	1.12202E-05
-20	0.01	0.1	-60	0.000001	0.001	-100	1E-10	0.00001

Note: 1. Multiplied by the appropriate coefficient; 2. Use voltage coefficient transform into S parameters.

注：1.乘适当的系数；2.用电压系数变换为S参数。

TEL: +86-28-84300332/84300037 FAX: +86-28-84300332-807

http://www.wtmicrowave.com E-mail: sales@wtmicrowave.com, tech@wtmicrowave.com