



CONVERSION FACTORS

No. of Bits	Dyn Rng	Resolution		
		2^n	%	ppm
4	24dB	16	6.25	62,500
5	30	32	3.125	31,250
6	36	64	1.563	15,625
7	42	128	0.781	7,813
8	48	256	0.391	3,906
9	54	512	0.195	1,953
10	60	1,024	0.0977	977
11	66	2,048	0.0488	488
12	72	4,096	0.0244	244
13	78	8,192	0.0122	122
14	84	16,384	0.0061	61
15	90	32,768	0.00305	31
16	96	65,536	0.00153	15
17	102	131,072	0.00076	8
18	108	262,144	0.00038	4
19	114	524,288	0.00019	2
20	120	1,048,576	0.00010	1
21	126	2,097,152	0.00005	0.48
22	132	4,194,304	0.00002	0.24
23	138	8,388,608	0.00001	0.12
24	144	16,777,216	0.000005	0.06

VOLTAGE GAIN/dB CONVERSION



dB	Gain	dB	Gain	dB	Gain
0	1.000	10	3.162	20	10
1	1.122	11	3.548	40	10 ²
2	1.259	12	3.981	60	10 ³
3	1.413	13	4.467	80	10 ⁴
4	1.585	14	5.012	100	10 ⁵
5	1.778	15	5.623	120	10 ⁶
6	1.995	16	6.309	140	10 ⁷
7	2.239	17	7.079	160	10 ⁸
8	2.512	18	7.943	180	10 ⁹
9	2.818	19	8.913	200	10 ¹⁰