

TABLE 1—PERFORMANCE VERSUS GAIN

Step	Gain (dB)	V/V	Noise (referred to input) (nV/ $\sqrt{\text{Hz}}$)	3-dB bandwidth (MHz)
0	0	1	3.1	10.5
1	3	1.4	3.8	7.7
2	6	2	4.4	5.1
3	9	2.8	4.5	4.6
4	12	4	3.6	2.7
5	15	5.6	3.6	2.7
6	18	7.9	3.7	2.6
7	21	11.2	3.7	2.6
8	24	15.8	3	0.88
9	27	22.4	3	0.89
10	30	31.6	3	0.94
11	33	44.7	3	0.96
12	36	63.1	3	0.97
13	39	89.1	3	0.97
14	42	125.9	3	1.04
15	45	177.8	3	1.02