CERNEX, Inc.

NOISE FIGURE VS NOISE TEMPERATURE TABLE

Noise Figure (dB)	*Noise Temperature (K)*
0	0
0.1	6.5
0.2	13.5
0.3	20.5
0.4	28.0
0.5	25.5
0.6	43.0
0.7	50.75
0.8	59.7
0.9	66.5
1.00	76.4
1.10	83.5
1.20	92.5
1.30	101.5
1.40	110.5
1.50	121.7
1.60	129.0
1.70	139.0
1.80	149.0
1.90	159.0
2.00	172.5
2.10	181.0
2.20	191.0
2.30	203.0
2.40	214.0
2.50	229.6
2.60	238.0
2.70	250.0
2.80	263.0
2.90	275.0
3.00	289.0
3.01	295.6
3.10	303.0
3.19	320.0
3.20	325.0
3.30	330.0
3.38	347.5
3.40	350.0
3.58	378.0
3.60	381.0
3.80	412.4
3.91	431.3
4.00	446.0
4.03	451.4
4.16	473.0
4.20	481.0
4.40	517.0
4.42	520.9
4.56	547.7
4.60	556.0
4.80	596.0
4.83	601.5
4.86	608.0
5.00	638.0
5.02	642.1
5.19	679.3
5.20	682.0
5.37	720.1
5.40	728.0
5.55	764.9

Noise Figure (dB)	*Noise Temperature (K)*
5.59	774.5
5.60	776.0
5.63	784.2
5.67	794.1
5.71	804.2
5.75	814.6
5.79	825.1
5.80	827.0
5.84	835.9
5.88	846.9
5.92	858.2
5.96	869.7
6.00	879.0
6.01	881.5
6.05	893.5
6.10	905.9
6.14	918.5
6.19	931.4
6.20	935.0
6.23	944.6
6.28	958.1
6.33	972.0
6.38	986.2
6.40	993.0
6.43	1,000.8
6.48	1,015.7
6.53	1,031.1
6.58	1,046.8
6.60	1,053.0
6.63	1,062.9
6.68	1,079.5
6.74	1,096.5
6.79	1,114.0
6.80	1,117.0
6.85	1,132.0
6.90	1,150.4
6.96	1,169.4
7.00	1,184.0
7.02	1,189.0
7.07	1,209.1
7.13	1,229.9
7.19	1,251.2
7.20	1,253.0
7.26	1,273.3
7.32	1,296.0
7.38	1,319.4
7.40	1,326.0
7.45	1,343.6
7.51	1,368.6
7.58	1,394.4
7.60	1,403.0
7.65	1,421.1
7.72	1,448.8
7.79	1,477.4
7.80	1,483.0
7.86	1,507.0
7.93	1,537.7
8.00	1,566.0
8.01	1,569.5
8.08	1,602.6

Noise Figure (dB)	*Noise Temperature (K)*
8.16	1,637.0
8.20	1,654.0
8.24	1,672.5
8.32	1,709.6
8.40	1,748.2
8.49	1,788.4
8.58	1,830.3
8.60	1,842.0
8.66	1,874.1
8.76	1,919.8
8.80	1,943.0
8.85	1,967.6
8.94	2,017.6
9.00	2,048.0
9.04	2,069.9
9.14	2,124.9
9.20	2,159.0
9.24	2,182.6
9.35	2,243.2
9.40	2,274.0
9.45	2.307.1
9.57	2,374.4
9.60	2,395.0
9.68	2,445.4
9.80	2,520.5
9.92	2,600.0
10.00	2,555.0
10.04	2,684.4
10.17	2,774.0
10.30	2,869.4
10.44	2,971.1
10.58	3,080.9
10.73	3,196.7
10.88	3,321.6
11.04	3,456.5
11.21	3,602.1
11.38	3,759.8
11.56	3,931.3
11.75	4,118.4
11.95	4,323.3
12.15	4,548.6
12.37	4,797.8
12.60	5,074.5
12.84	5,383.9
13.10	5,731.9
13.38	6,126.4
13.67	6,577.2
13.99	7,097.3
14.33	7,704.2
14.71	8,421.4
15.11	9,282.0
15.57	10,330.0
16.07	11,644.0
16.65	13,334.0
17.31	15,587.0
18.10	18,472.0
19.06	23,473.0
20.31	31,360.0
22.06	47,133.0
25.06	94,451.0

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