

APPENDIX B

Decibels and Equivalents

Decibels and equivalent power ratios

Loss in Decibels	Power Ratio
0.1	0.9772
0.2	0.9550
0.3	0.9333
0.4	0.9120
0.5	0.8913
0.6	0.8710
0.7	0.8511
0.8	0.8318
0.9	0.8128
1	0.7943
2	0.6310
3	0.5012
4	0.3981
5	0.3162
6	0.2512
7	0.1995
8	0.1585
9	0.1259
10	0.1
20	0.01

continues

Decibels and equivalent power ratios (continued)

Loss in Decibels	Power Ratio
30	0.001
40	0.0001
50	0.00001
60	0.000001
70	0.0000001
80	0.00000001
90	10^{-09}
100	10^{-10}
200	10^{-20}
300	10^{-30}
400	10^{-40}
500	10^{-50}
600	10^{-60}
700	10^{-70}
800	10^{-80}
900	10^{-90}
1000	10^{-100}