

# VSWR & Return Loss Data

VSWR	STANDING WAVE RATIO (dB)	RETURN LOSS (dB)	TRANSMISSION LOSS (dB)	REFLECTION COEFFICIENT	TRANSMITTED POWER %	REFLECTED POWER %
1.00	0	∞	0	0	100.0	0
1.01	0.1	46.1	0	0	100.0	0
1.02	0.2	40.1	0	0.01	100.0	0
1.03	0.3	36.6	0.001	0.01	100.0	0
1.04	0.3	34.2	0.002	0.02	100.0	0
1.05	0.4	32.3	0.003	0.02	99.9	0.1
1.06	0.5	30.7	0.004	0.03	99.9	0.1
1.07	0.6	29.4	0.005	0.03	99.9	0.1
1.08	0.7	28.3	0.006	0.04	99.9	0.1
1.09	0.7	27.3	0.008	0.04	99.8	0.2
1.10	0.8	26.4	0.010	0.05	99.8	0.2
1.11	0.9	25.7	0.012	0.05	99.7	0.3
1.12	1.0	24.9	0.014	0.06	99.7	0.3
1.13	1.1	24.3	0.016	0.06	99.6	0.4
1.14	1.1	23.7	0.019	0.07	99.6	0.4
1.15	1.2	23.1	0.021	0.07	99.5	0.5
1.16	1.3	22.6	0.024	0.07	99.5	0.5
1.17	1.4	22.1	0.027	0.08	99.4	0.6
1.18	1.4	21.7	0.030	0.08	99.3	0.7
1.19	1.5	21.2	0.033	0.09	99.2	0.8
1.20	1.6	20.8	0.036	0.09	99.2	0.8
1.21	1.7	20.4	0.039	0.10	99.1	0.9
1.22	1.7	20.1	0.043	0.10	99.0	1.0
1.23	1.8	19.7	0.046	0.10	98.9	1.1
1.24	1.9	19.4	0.050	0.11	98.9	1.1
1.25	1.9	19.1	0.054	0.11	98.8	1.2
1.26	2.0	18.8	0.058	0.12	98.7	1.3
1.27	2.1	18.5	0.062	0.12	98.6	1.4
1.28	2.1	18.2	0.066	0.12	98.5	1.5
1.29	2.2	17.9	0.070	0.13	98.4	1.6
1.30	2.3	17.7	0.075	0.13	98.3	1.7
1.32	2.4	17.2	0.083	0.14	98.1	1.9
1.34	2.5	16.8	0.093	0.15	97.9	2.1
1.36	2.7	16.3	0.102	0.15	97.7	2.3
1.38	2.8	15.9	0.112	0.16	97.5	2.5
1.40	2.9	15.6	0.122	0.17	97.2	2.8
1.42	3.0	15.2	0.133	0.17	97.0	3.0
1.44	3.2	14.9	0.144	0.18	96.7	3.3
1.46	3.3	14.6	0.155	0.19	96.5	3.5
1.48	3.4	14.3	0.166	0.19	96.3	3.7
1.50	3.5	14.0	0.177	0.20	96.0	4.0
1.52	3.6	13.7	0.189	0.21	95.7	4.3
1.54	3.8	13.4	0.201	0.21	95.5	4.5
1.56	3.9	13.2	0.213	0.22	95.2	4.8
1.58	4.0	13.0	0.225	0.22	94.9	5.1
1.60	4.1	12.7	0.238	0.23	94.7	5.3
1.62	4.2	12.5	0.250	0.24	94.4	5.6

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1.64	4.3	12.3	0.263	0.24	94.1	5.9
1.66	4.4	12.1	0.276	0.25	93.8	6.2
1.68	4.5	11.9	0.289	0.25	93.6	6.4
1.70	4.6	11.7	0.302	0.26	93.3	6.7
1.72	4.7	11.5	0.315	0.26	93.0	7.0
1.74	4.8	11.4	0.329	0.27	92.7	7.3
1.76	4.9	11.2	0.342	0.28	92.4	7.6
1.78	5.0	11.0	0.356	0.28	92.1	7.9
1.80	5.1	10.9	0.370	0.29	91.8	8.2
1.82	5.2	10.7	0.384	0.29	91.5	8.5
1.84	5.3	10.6	0.398	0.30	91.3	8.7
1.86	5.4	10.4	0.412	0.30	91.0	9.0
1.88	5.5	10.3	0.426	0.31	90.7	9.3
1.90	5.6	10.2	0.440	0.31	90.4	9.6
1.92	5.7	10.0	0.454	0.32	90.1	9.9
1.94	5.8	9.9	0.468	0.32	89.8	10.2
1.96	5.8	9.8	0.483	0.32	89.5	10.5
1.98	5.9	9.7	0.497	0.33	89.2	10.8
2.00	6.0	9.5	0.512	0.33	88.9	11.1
2.50	8.0	7.4	0.881	0.43	81.6	18.4
3.00	9.5	6.0	1.249	0.50	75.0	25.0
3.50	10.9	5.1	1.603	0.56	69.1	30.9
4.00	12.0	4.4	1.938	0.60	64.0	36.0
4.50	13.1	3.9	2.255	0.64	59.5	40.5
5.00	14.0	3.5	2.553	0.67	55.6	44.4
5.50	14.8	3.2	2.834	0.69	52.1	47.9
6.00	15.6	2.9	3.100	0.71	49.0	51.0
6.50	16.3	2.7	3.351	0.73	46.2	53.8
7.00	16.9	2.5	3.590	0.75	43.7	56.2
7.50	17.5	2.3	3.817	0.76	41.5	58.5
8.00	18.1	2.2	4.033	0.78	39.5	60.5
8.50	18.6	2.1	4.240	0.79	37.7	62.3
9.00	19.1	1.9	4.437	0.80	36.0	64.0
9.50	19.6	1.8	4.626	0.81	34.5	65.5
10.00	20.0	1.7	4.807	0.82	33.1	66.9
11.00	20.8	1.6	5.149	0.83	30.6	69.4
12.00	21.6	1.5	5.466	0.85	28.4	71.6
13.00	22.3	1.3	5.762	0.86	26.5	73.5
14.00	22.9	1.2	6.040	0.87	24.9	75.1
15.00	23.5	1.2	6.301	0.88	23.4	76.6
16.00	24.1	1.1	6.547	0.88	22.1	77.9
17.00	24.6	1.0	6.780	0.89	21.0	79.0
18.00	25.1	1.0	7.002	0.89	19.9	80.1
19.00	25.6	0.9	7.212	0.90	19.0	81.0
20.00	26.0	0.9	7.413	0.90	18.1	81.9
25.00	28.0	0.7	8.299	0.92	14.8	85.2
30.00	29.5	0.6	9.035	0.94	12.5	87.5