

VSWR, Return Loss and Reflection Coefficient Conversion Table

Return Loss	VSWR	Reflection Coefficient	Return Loss	VSWR	Reflection Coefficient
(dB)	(S)	(Γ)	(dB)	(S)	(Γ)
0.0	∞	1.000	18.0	1.288	0.126
0.5	34.777	0.944	18.5	1.270	0.119
1.0	17.391	0.891	19.0	1.253	0.112
1.5	11.610	0.841	19.5	1.237	0.106
2.0	8.724	0.794	20.0	1.222	0.100
2.5	6.996	0.745	20.5	1.208	0.094
3.0	5.848	0.708	21.0	1.196	0.089
3.5	5.030	0.668	21.5	1.184	0.084
4.0	4.419	0.631	22.0	1.173	0.079
4.5	3.946	0.596	22.5	1.162	0.075
5.0	3.570	0.562	23.0	1.152	0.071
5.5	3.263	0.531	23.5	1.143	0.067
6.0	3.010	0.501	24.0	1.135	0.063
6.5	2.796	0.473	24.5	1.127	0.060
7.0	2.615	0.447	25.0	1.119	0.056
7.5	2.468	0.422	25.5	1.112	0.053
8.0	2.323	0.398	26.0	1.106	0.050
8.5	2.204	0.376	26.5	1.099	0.047
9.0	2.100	0.355	27.0	1.094	0.045
9.5	2.007	0.335	27.5	1.083	0.040
10.0	1.925	0.316	28.0	1.074	0.035
10.5	1.851	0.299	28.5	1.065	0.032
11.0	1.785	0.282	29.0	1.058	0.028
11.5	1.725	0.266	29.5	1.052	0.025
12.0	1.671	0.251	30.0	1.046	0.022
12.5	1.622	0.237	31.0	1.041	0.020
13.0	1.577	0.224	32.0	1.036	0.018
13.5	1.536	0.211	33.0	1.032	0.016
14.0	1.499	0.200	34.0	1.029	0.014
14.5	1.464	0.188	35.0	1.026	0.013
15.0	1.433	0.178	36.0	1.023	0.011
15.5	1.404	0.168	37.0	1.020	0.010
16.0	1.377	0.158	38.0	1.010	0.005
16.5	1.352	0.150	39.0	1.006	0.003
17.0	1.329	0.141	40.0	1.002	0.001
17.5	1.308	0.133	∞	1.000	0.000