

## Mismatch Conversions

Return Loss (dB)	$ \Gamma $	VSWR	Ins. Loss (dB)	%Pwr. Transmitted	%Pwr. Reflected
-1.0	0.891	17.391	-6.87	20.57%	79.43%
-1.5	0.841	11.610	-5.35	29.21%	70.79%
-2.0	0.794	8.724	-4.33	36.90%	63.10%
-2.5	0.750	6.997	-3.59	43.77%	56.23%
-3.0	0.708	5.848	-3.02	49.88%	50.12%
-3.5	0.668	5.030	-2.57	55.33%	44.67%
-4.0	0.631	4.419	-2.20	60.19%	39.81%
-4.5	0.596	3.946	-1.90	64.52%	35.48%
-5.0	0.562	3.570	-1.65	68.38%	31.62%
-6.0	0.501	3.010	-1.26	74.88%	25.12%
-7.0	0.447	2.615	-0.97	80.05%	19.95%
-8.0	0.398	2.323	-0.75	84.15%	15.85%
-9.0	0.355	2.100	-0.58	87.41%	12.59%
-10.0	0.316	1.925	-0.46	90.00%	10.00%
-15.0	0.178	1.433	-0.14	96.84%	3.16%
-20.0	0.100	1.222	-0.04	99.00%	1.00%
-25.0	0.056	1.119	-0.01	99.68%	0.32%
-30.0	0.032	1.065	0.00	99.90%	0.10%
-35.0	0.018	1.036	0.00	99.97%	0.03%
-40.0	0.010	1.020	0.00	99.99%	0.01%

## dB Conversions

dB	Linear Factor
0	1.00
1	1.26
2	1.58
3	2.00
4	2.51
5	3.16
6	3.98
7	5.01
8	6.31
9	7.94
10	10.00
12	15.85
14	25.12
16	39.81
18	63.10
20	100.00