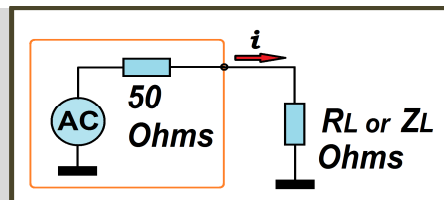


# 50 Ohms matching - Return Loss whole table

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VSWR	$\rho$	Return Loss			Mismatch Loss		Impedance LOAD RL or ZL (Ohms)		VSWR	$\rho$	Return Loss			Mismatch Loss		Impedance LOAD RL or ZL (Ohms)	
		S11 (dB)	Voltage Loss (%)	Power Loss (%)	Power Ratio	S21 (dB)	High	Low			S11 (dB)	Voltage Loss (%)	Power Loss (%)	Power Ratio	S21 (dB)	High	Low
							Impedance LOAD RL or ZL (Ohms)									Impedance LOAD RL or ZL (Ohms)	
1.05	0.0244	-32.26	2.439	0.059	0.999	-0.004	52.50	47.62	1.55	0.216	-13.32	21.57	4.66	0.950	-0.223	77.5	32.26
1.10	0.0476	-26.44	4.762	0.227	0.998	-0.009	55.00	45.45	1.60	0.231	-12.74	23.08	5.32	0.947	-0.237	80	31.25
1.15	0.0698	-23.13	6.977	0.486	0.995	-0.022	57.50	43.48	1.65	0.245	-12.21	24.53	6.01	0.940	-0.269	82.5	30.30
1.20	0.0909	-20.83	9.091	0.826	0.992	-0.035	60.00	41.67	1.70	0.259	-11.73	25.93	6.71	0.933	-0.301	85	29.41
1.25	0.111	-19.08	11.11	1.236	0.988	-0.052	62.50	40.00	1.75	0.273	-11.29	27.27	7.43	0.926	-0.334	87.5	28.57
1.30	0.130	-17.69	13.04	1.702	0.983	-0.074	65.00	38.46	1.80	0.286	-10.88	28.57	8.17	0.918	-0.372	90	27.78
1.35	0.149	-16.54	14.89	2.218	0.978	-0.097	67.50	37.04	1.85	0.298	-10.51	29.82	8.89	0.911	-0.405	92.5	27.03
1.40	0.167	-15.56	16.67	2.780	0.972	-0.123	70.00	35.71	1.90	0.310	-10.16	31.03	9.64	0.904	-0.438	95	26.32
1.45	0.184	-14.72	18.37	3.373	0.966	-0.150	72.50	34.48	1.95	0.322	-9.84	32.20	10.38	0.896	-0.477	97.5	25.64
1.5	0.200	-13.98	20.00	3.999	0.960	-0.177	75.00	33.33	2.0	0.333	-9.54	33.33	11.12	0.889	-0.511	100	25.00
2.05	0.344	-9.26	34.43	11.86	0.881	-0.550	102.5	24.39	2.55	0.437	-7.20	43.66	19.10	0.809	-0.921	127.5	19.61
2.10	0.355	-9.00	35.48	12.59	0.874	-0.585	105.0	23.81	2.60	0.444	-7.04	44.44	19.80	0.802	-0.958	130.0	19.23
2.15	0.365	-8.75	36.51	13.34	0.867	-0.620	107.5	23.26	2.65	0.452	-6.90	45.21	20.40	0.796	-0.991	132.5	18.87
2.20	0.375	-8.52	37.50	14.06	0.859	-0.660	110.0	22.73	2.70	0.459	-6.76	45.95	21.10	0.789	-1.029	135.0	18.52
2.25	0.385	-8.30	38.46	14.79	0.852	-0.696	112.5	22.22	2.75	0.467	-6.62	46.67	21.80	0.782	-1.068	137.5	18.18
2.30	0.394	-8.09	39.39	15.52	0.845	-0.731	115.0	21.74	2.80	0.474	-6.49	47.37	22.40	0.776	-1.101	140.0	17.86
2.35	0.403	-7.89	40.30	16.26	0.838	-0.768	117.5	21.28	2.85	0.481	-6.37	48.05	23.10	0.769	-1.141	142.5	17.54
2.40	0.412	-7.71	41.18	16.94	0.830	-0.809	120.0	20.83	2.90	0.487	-6.25	48.72	23.70	0.763	-1.175	145.0	17.24
2.45	0.420	-7.53	42.03	17.66	0.823	-0.846	122.5	20.41	2.95	0.494	-6.13	49.37	24.40	0.756	-1.215	147.5	16.95
2.5	0.429	-7.36	42.86	18.37	0.816	-0.883	125.0	20.00	3.0	0.500	-6.02	50.00	25.00	0.750	-1.249	150.0	16.67
3.05	0.506	-5.91	50.62	25.64	0.744	-1.284	152.5	16.39	3.55	0.560	-5.03	56.04	31.40	0.686	-1.637	177.5	14.08
3.10	0.512	-5.81	51.22	26.24	0.738	-1.319	155.0	16.13	3.60	0.565	-4.96	56.52	31.90	0.681	-1.669	180.0	13.89
3.15	0.518	-5.71	51.81	26.85	0.732	-1.355	157.5	15.87	3.65	0.570	-4.88	56.99	32.50	0.675	-1.707	182.5	13.70
3.20	0.524	-5.62	52.38	27.42	0.726	-1.391	160.0	15.63	3.70	0.574	-4.81	57.45	33.00	0.670	-1.739	185.0	13.51
3.25	0.529	-5.52	52.94	28.05	0.720	-1.427	162.5	15.38	3.75	0.579	-4.75	57.89	33.50	0.665	-1.772	187.5	13.33
3.30	0.535	-5.43	53.49	28.64	0.714	-1.463	165.0	15.15	3.80	0.583	-4.68	58.33	34.00	0.660	-1.805	190.0	13.16
3.35	0.540	-5.35	54.02	29.17	0.708	-1.500	167.5	14.93	3.85	0.588	-4.62	58.76	34.50	0.655	-1.838	192.5	12.99
3.40	0.545	-5.26	54.55	29.79	0.702	-1.537	170.0	14.71	3.90	0.592	-4.56	59.18	35.00	0.650	-1.871	195.0	12.82
3.45	0.551	-5.18	55.06	30.34	0.697	-1.568	172.5	14.49	3.95	0.596	-4.50	59.60	35.50	0.645	-1.904	197.5	12.66
3.5	0.556	-5.11	55.56	30.83	0.691	-1.605	175.0	14.29	4.0	0.600	-4.44	60.00	36.00	0.640	-1.938	200.0	12.50
4.05	0.604	-4.38	60.40	36.48	0.635	-1.972	202.5	12.35	4.55	0.640	-3.88	63.96	40.90	0.591	-2.284	227.5	10.99
4.10	0.608	-4.32	60.78	36.98	0.631	-2.000	205.0	12.20	4.60	0.643	-3.84	64.29	41.30	0.587	-2.314	230.0	10.87
4.15	0.612	-4.27	61.17	37.41	0.626	-2.034	207.5	12.05	4.65	0.646	-3.80	64.60	41.70	0.583	-2.343	232.5	10.75
4.20	0.615	-4.22	61.54	37.84	0.621	-2.069	210.0	11.90	4.70	0.649	-3.75	64.91	42.20	0.579	-2.373	235.0	10.64
4.25	0.619	-4.17	61.90	38.28	0.617	-2.097	212.5	11.76	4.75	0.652	-3.71	65.22	42.60	0.575	-2.403	237.5	10.53
4.30	0.623	-4.12	62.26	38.73	0.612	-2.133	215.0	11.63	4.80	0.655	-3.67	65.52	43.00	0.571	-2.434	240.0	10.42
4.35	0.626	-4.07	62.62	39.17	0.608	-2.161	217.5	11.49	4.85	0.658	-3.63	65.81	43.40	0.567	-2.464	242.5	10.31
4.40	0.630	-4.02	62.96	39.63	0.604	-2.190	220.0	11.36	4.90	0.661	-3.60	66.10	43.70	0.563	-2.495	245.0	10.20
4.45	0.633	-3.97	63.30	40.09	0.599	-2.226	222.5	11.24	4.95	0.664	-3.56	66.39	44.10	0.559	-2.526	247.5	10.10
4.5	0.636	-3.93	63.64	40.46	0.595	-2.255	225.0	11.11	5.0	0.667	-3.52	66.67	44.50	0.556	-2.549	250.0	10.00
VSWR	$\rho$	S11 (dB)	Voltage Loss (%)	Power Loss (%)	Power Ratio	S21 (dB)	High	Low	VSWR	$\rho$	S11 (dB)	Voltage Loss (%)	Power Loss (%)	Power Ratio	S21 (dB)	High	Low
							Impedance LOAD RL or ZL (Ohms)									Impedance LOAD RL or ZL (Ohms)	
		Return Loss			Mismatch Loss		Impedance LOAD RL or ZL (Ohms)				Return Loss			Mismatch Loss		Impedance LOAD RL or ZL (Ohms)	