

## Tabulated Responses

Frequency, Hz:	Trans., dB:	Phase, degrees:	Return, dB:	Delay, seconds:	VSWR	Zin, ohms:	Zangle, degrees:
100M	-0,20949	-118,68	-14,641	3,795n	1,455	34,374	-0,8354
101.16M	-0,20355	-120,27	-14,841	3,822n	1,4423	34,672	-0,63926
102.33M	-0,19763	-121,89	-15,051	3,849n	1,4295	34,981	-0,46723
103.51M	-0,19176	-123,55	-15,272	3,876n	1,4165	35,301	-0,32035
104.71M	-0,18596	-125,23	-15,503	3,904n	1,4033	35,63	-0,19953
105.93M	-0,18027	-126,95	-15,744	3,933n	1,3901	35,968	-0,10552
107.15M	-0,17472	-128,7	-15,996	3,962n	1,3769	36,314	-0,03895
108.39M	-0,16933	-130,48	-16,257	3,992n	1,3637	36,666	-0,00022
109.65M	-0,16414	-132,3	-16,529	4,022n	1,3505	37,023	0,01044
110.92M	-0,15918	-134,15	-16,81	4,053n	1,3375	37,383	-0,00693
112.2M	-0,15448	-136,04	-17,099	4,085n	1,3247	37,746	-0,05203
113.5M	-0,15006	-137,97	-17,395	4,118n	1,3121	38,109	-0,12429
114.82M	-0,14595	-139,93	-17,698	4,151n	1,2998	38,47	-0,22279
116.14M	-0,14217	-141,93	-18,005	4,185n	1,2878	38,828	-0,34627
117.49M	-0,13876	-143,98	-18,315	4,219n	1,2764	39,18	-0,49308
118.85M	-0,13572	-146,06	-18,625	4,255n	1,2654	39,525	-0,66117
120.23M	-0,13308	-148,19	-18,932	4,291n	1,255	39,86	-0,84804
121.62M	-0,13083	-150,36	-19,233	4,328n	1,2452	40,184	-1,0507
123.03M	-0,129	-152,57	-19,526	4,366n	1,2362	40,495	-1,2658
124.45M	-0,12757	-154,83	-19,806	4,406n	1,2278	40,792	-1,4894
125.89M	-0,12654	-157,14	-20,072	4,446n	1,2202	41,072	-1,717
127.35M	-0,1259	-159,49	-20,321	4,488n	1,2133	41,335	-1,9438
128.83M	-0,12563	-161,9	-20,552	4,531n	1,2071	41,581	-2,1643
130.32M	-0,1257	-164,35	-20,764	4,576n	1,2016	41,81	-2,3728
131.83M	-0,12608	-166,86	-20,959	4,622n	1,1967	42,021	-2,5631
133.35M	-0,12673	-169,43	-21,14	4,671n	1,1923	42,217	-2,7284
134.9M	-0,1276	-172,06	-21,313	4,722n	1,1881	42,399	-2,8622
136.46M	-0,12866	-174,74	-21,483	4,776n	1,1841	42,57	-2,9573
138.04M	-0,12983	-177,49	-21,659	4,833n	1,1801	42,736	-3,0069
139.64M	-0,13108	179,69	-21,852	4,893n	1,1758	42,9	-3,0042
141.25M	-0,13234	176,81	-22,073	4,957n	1,171	43,07	-2,9429
142.89M	-0,13358	173,85	-22,336	5,025n	1,1655	43,253	-2,8171
144.54M	-0,13475	170,81	-22,658	5,097n	1,159	43,459	-2,6223
146.22M	-0,13585	167,7	-23,058	5,175n	1,1513	43,699	-2,3548
147.91M	-0,13686	164,49	-23,561	5,258n	1,1422	43,985	-2,0131
149.62M	-0,13782	161,19	-24,198	5,348n	1,1315	44,333	-1,5977
151.36M	-0,13881	157,8	-25,01	5,444n	1,119	44,758	-1,1119
153.11M	-0,13992	154,3	-26,055	5,547n	1,1048	45,278	-0,56247
154.88M	-0,14134	150,69	-27,413	5,658n	1,089	45,915	0,03992
156.68M	-0,1433	146,96	-29,181	5,778n	1,072	46,69	0,68
158.49M	-0,14612	143,1	-31,383	5,905n	1,0554	47,627	1,3374

Frequency, Hz:	Trans., dB:	Phase, degrees:	Return, dB:	Delay, seconds:	VSWR	Zin, ohms:	Zangle, degrees:
160.32M	-0,15018	139,11	-33,368	6,042n	1,0439	48,751	1,9861
162.18M	-0,15598	134,97	-32,894	6,187n	1,0464	50,089	2,5943
164.06M	-0,16407	130,69	-29,946	6,342n	1,0657	51,667	3,1243
165.96M	-0,17511	126,24	-26,777	6,505n	1,0961	53,509	3,5325
167.88M	-0,1898	121,62	-24,054	6,677n	1,1338	55,637	3,7706
169.82M	-0,20886	116,82	-21,764	6,857n	1,1778	58,065	3,7862
171.79M	-0,23297	111,83	-19,814	7,045n	1,2276	60,793	3,5251
173.78M	-0,26273	106,65	-18,133	7,241n	1,2831	63,805	2,9344
175.79M	-0,29852	101,25	-16,671	7,445n	1,3439	67,055	1,9672
177.83M	-0,34037	95,639	-15,395	7,659n	1,4094	70,459	0,58986
179.89M	-0,38789	89,794	-14,284	7,885n	1,4786	73,887	-1,2077
181.97M	-0,44007	83,7	-13,326	8,128n	1,5498	77,158	-3,3991
184.08M	-0,49521	77,33	-12,513	8,397n	1,6204	80,056	-5,9062
186.21M	-0,55084	70,649	-11,845	8,706n	1,6872	82,363	-8,587
188.36M	-0,60394	63,606	-11,321	9,074n	1,7458	83,92	-11,229
190.55M	-0,65129	56,121	-10,947	9,532n	1,7916	84,699	-13,556
192.75M	-0,69062	48,081	-10,723	10,12n	1,8208	84,879	-15,241
194.98M	-0,72286	39,323	-10,631	10,9n	1,8332	84,919	-15,942
197.24M	-0,75648	29,622	-10,596	11,94n	1,8379	85,665	-15,355
199.53M	-0,81565	18,683	-10,403	13,3n	1,8649	88,584	-13,361
201.84M	-0,95307	6,1797	-9,6581	15,03n	1,9803	96,255	-10,385
204.17M	-1,2647	-8,1317	-8,0961	17,01n	2,2988	113,25	-8,1104
206.54M	-1,8895	-24,144	-6,0303	18,81n	2,9956	146,62	-10,518
208.93M	-2,9644	-41,12	-4,0641	19,72n	4,3522	196,28	-24,169
211.35M	-4,5389	-57,785	-2,5618	19,13n	6,8302	215,66	-49,348
213.8M	-6,5358	-72,952	-1,5681	17,22n	11,109	181,58	-69,581
216.27M	-8,8104	-86,053	-0,96446	14,7n	18,03	145,21	-79,653
218.78M	-11,232	-97,101	-0,61154	12,26n	28,419	120,39	-84,306
221.31M	-13,718	-106,4	-0,40622	10,19n	42,772	103,76	-86,574
223.87M	-16,224	-114,28	-0,28492	8,548n	60,975	92,064	-87,76
226.46M	-18,735	-121,06	-0,21124	7,264n	82,242	83,394	-88,42
229.09M	-21,248	-126,97	-0,16484	6,258n	105,39	76,675	-88,812
231.74M	-23,771	-132,18	-0,1344	5,458n	129,25	71,278	-89,057
234.42M	-26,313	-136,83	-0,11352	4,812n	153,03	66,819	-89,219
237.14M	-28,889	-141,01	-0,09854	4,28n	176,3	63,049	-89,332
239.88M	-31,516	-144,8	-0,0873	3,832n	199	59,803	-89,415
242.66M	-34,213	-148,25	-0,07852	3,447n	221,25	56,966	-89,478
245.47M	-37,005	-151,39	-0,07142	3,108n	243,24	54,454	-89,527
248.31M	-39,921	-154,26	-0,06551	2,8n	265,2	52,208	-89,568
251.19M	-42,999	-156,86	-0,06047	2,512n	287,3	50,182	-89,601
254.1M	-46,29	-159,19	-0,05609	2,228n	309,71	48,339	-89,63
257.04M	-49,865	-161,23	-0,05224	1,931n	332,57	46,653	-89,655
260.02M	-53,83	-162,94	-0,0488	1,589n	355,96	45,101	-89,676
263.03M	-58,351	-164,18	-0,04572	1,143n	379,96	43,666	-89,696

Frequency, Hz:	Trans., dB:	Phase, degrees:	Return, dB:	Delay, seconds:	VSWR	Zin, ohms:	Zangle, degrees:
266.07M	-63,72	-164,68	-0,04293	457,9p	404,64	42,333	-89,713
269.15M	-70,517	-163,71	-0,0404	-867,9p	430,03	41,089	-89,728
272.27M	-80,197	-158,65	-0,03808	-4,515n	456,18	39,925	-89,742
275.42M	-98,493	-128,53	-0,03596	-26,54n	483,1	38,831	-89,755
278.61M	-100,15	127,44	-0,03401	90,62n	510,82	37,802	-89,767
281.84M	-83,376	159,58	-0,03221	-27,68n	539,36	36,829	-89,778
285.1M	-75,531	165,14	-0,03054	-4,731n	568,74	35,909	-89,787
288.4M	-70,633	166,63	-0,029	-1,249n	598,97	35,036	-89,796
291.74M	-67,193	166,78	-0,02757	-127,2p	630,07	34,205	-89,805
295.12M	-64,62	166,35	-0,02624	349p	662,06	33,415	-89,813
298.54M	-62,623	165,64	-0,025	579,7p	694,94	32,66	-89,82
302M	-61,033	164,77	-0,02384	697,9p	728,73	31,939	-89,827
305.49M	-59,749	163,82	-0,02275	758,2p	763,46	31,249	-89,833
309.03M	-58,701	162,82	-0,02174	786,3p	799,13	30,587	-89,839
312.61M	-57,841	161,79	-0,02079	795,3p	835,76	29,952	-89,844
316.23M	-57,136	160,76	-0,01989	792,8p	873,36	29,342	-89,85
319.89M	-56,558	159,73	-0,01905	783p	911,96	28,755	-89,855
323.59M	-56,089	158,7	-0,01826	768,7p	951,57	28,189	-89,859
327.34M	-55,713	157,69	-0,01751	751,5p	992,2	27,644	-89,864
331.13M	-55,418	156,69	-0,0168	732,5p	1,034k	27,118	-89,868
334.97M	-55,195	155,7	-0,01614	712,6p	1,077k	26,609	-89,872
338.84M	-55,035	154,74	-0,0155	692,1p	1,12k	26,117	-89,875
342.77M	-54,933	153,79	-0,01491	671,5p	1,165k	25,642	-89,879
346.74M	-54,883	152,86	-0,01434	651p	1,211k	25,181	-89,882
350.75M	-54,88	151,95	-0,0138	630,7p	1,258k	24,734	-89,885
354.81M	-54,922	151,06	-0,01329	610,7p	1,307k	24,301	-89,888
358.92M	-55,005	150,18	-0,01281	591,1p	1,356k	23,88	-89,891
363.08M	-55,127	149,33	-0,01235	571,9p	1,407k	23,472	-89,894
367.28M	-55,287	148,49	-0,01191	553,2p	1,459k	23,075	-89,897
371.54M	-55,483	147,67	-0,01149	534,9p	1,512k	22,689	-89,899
375.84M	-55,713	146,87	-0,0111	517,1p	1,566k	22,314	-89,902
380.19M	-55,978	146,08	-0,01072	499,7p	1,621k	21,949	-89,904
384.59M	-56,277	145,32	-0,01035	482,7p	1,678k	21,593	-89,906
389.05M	-56,61	144,57	-0,01001	466,1p	1,736k	21,246	-89,908
393.55M	-56,978	143,84	-0,00968	449,8p	1,795k	20,908	-89,91
398.11M	-57,381	143,13	-0,00936	433,7p	1,855k	20,578	-89,912
402.72M	-57,821	142,44	-0,00906	417,8p	1,917k	20,256	-89,914
407.38M	-58,3	141,76	-0,00877	402p	1,98k	19,942	-89,916
412.1M	-58,82	141,11	-0,0085	386,2p	2,044k	19,636	-89,918
416.87M	-59,385	140,47	-0,00823	370,3p	2,11k	19,336	-89,919
421.7M	-59,998	139,86	-0,00798	354p	2,177k	19,043	-89,921
426.58M	-60,665	139,26	-0,00774	337,1p	2,245k	18,757	-89,922
431.52M	-61,393	138,7	-0,00751	319,3p	2,315k	18,477	-89,924
436.52M	-62,189	138,16	-0,00728	300,1p	2,386k	18,203	-89,925

Frequency, Hz:	Trans., dB:	Phase, degrees:	Return, dB:	Delay, seconds:	VSWR	Zin, ohms:	Zangle, degrees:
441.57M	-63,066	137,65	-0,00707	278,8p	2,458k	17,936	-89,927
446.68M	-64,038	137,18	-0,00686	254,1p	2,531k	17,673	-89,928
451.86M	-65,126	136,76	-0,00666	224,4p	2,606k	17,417	-89,929
457.09M	-66,359	136,41	-0,00648	186,5p	2,683k	17,165	-89,93
462.38M	-67,781	136,16	-0,00629	134,6p	2,761k	16,919	-89,932
467.74M	-69,459	136,04	-0,00612	57,37p	2,84k	16,677	-89,933
473.15M	-71,508	136,18	-0,00595	-71,28p	2,92k	16,441	-89,934
478.63M	-74,14	136,82	-0,00579	-321,4p	3,002k	16,209	-89,935
484.17M	-77,843	138,7	-0,00563	-942,4p	3,086k	15,981	-89,936
489.78M	-84,144	145,72	-0,00548	-3,478n	3,17k	15,758	-89,937
495.45M	-95,598	-119,16	-0,00533	-46,59n	3,256k	15,539	-89,938
501.19M	-82,876	-62,405	-0,00519	-27,48n	3,344k	15,324	-89,939
506.99M	-77,465	-57,071	-0,00506	-2,553n	3,433k	15,113	-89,94
512.86M	-74,201	-55,478	-0,00493	-753,7p	3,523k	14,906	-89,941
518.8M	-71,883	-54,9	-0,00481	-270,2p	3,615k	14,703	-89,941
524.81M	-70,098	-54,737	-0,00468	-75,26p	3,709k	14,504	-89,942
530.88M	-68,655	-54,782	-0,00457	20,39p	3,803k	14,307	-89,943
537.03M	-67,452	-54,943	-0,00445	72,89p	3,899k	14,115	-89,944
543.25M	-66,425	-55,175	-0,00435	103,7p	3,997k	13,926	-89,945
549.54M	-65,533	-55,453	-0,00424	122,5p	4,096k	13,74	-89,945
555.9M	-64,75	-55,76	-0,00414	134,1p	4,197k	13,557	-89,946
562.34M	-64,054	-56,087	-0,00404	141,2p	4,299k	13,377	-89,947
568.85M	-63,431	-56,428	-0,00395	145,3p	4,402k	13,2	-89,947
575.44M	-62,87	-56,777	-0,00385	147,4p	4,507k	13,027	-89,948
582.1M	-62,361	-57,133	-0,00377	148,2p	4,613k	12,856	-89,949
588.84M	-61,898	-57,492	-0,00368	147,9p	4,721k	12,688	-89,949
595.66M	-61,474	-57,852	-0,0036	146,9p	4,831k	12,523	-89,95
602.56M	-61,086	-58,213	-0,00352	145,4p	4,942k	12,36	-89,95
609.54M	-60,729	-58,574	-0,00344	143,6p	5,054k	12,2	-89,951
616.6M	-60,4	-58,934	-0,00336	141,5p	5,168k	12,042	-89,951
623.73M	-60,096	-59,291	-0,00329	139,1p	5,283k	11,887	-89,952
630.96M	-59,815	-59,647	-0,00322	136,7p	5,4k	11,735	-89,952
638.26M	-59,555	-59,999	-0,00315	134,1p	5,518k	11,585	-89,953
645.65M	-59,314	-60,349	-0,00308	131,5p	5,638k	11,437	-89,953
653.13M	-59,09	-60,696	-0,00302	128,9p	5,76k	11,291	-89,954
660.69M	-58,883	-61,04	-0,00295	126,2p	5,883k	11,148	-89,954
668.34M	-58,69	-61,38	-0,00289	123,5p	6,007k	11,007	-89,955
676.08M	-58,51	-61,717	-0,00283	120,9p	6,133k	10,867	-89,955
683.91M	-58,344	-62,05	-0,00277	118,2p	6,261k	10,73	-89,955
691.83M	-58,189	-62,379	-0,00272	115,6p	6,39k	10,595	-89,956
699.84M	-58,046	-62,705	-0,00266	113p	6,52k	10,463	-89,956
707.95M	-57,912	-63,027	-0,00261	110,5p	6,653k	10,331	-89,957
716.14M	-57,789	-63,346	-0,00256	107,9p	6,787k	10,202	-89,957
724.44M	-57,675	-63,661	-0,00251	105,5p	6,922k	10,075	-89,957

Frequency, Hz:	Trans., dB:	Phase, degrees:	Return, dB:	Delay, seconds:	VSWR	Zin, ohms:	Zangle, degrees:
732.82M	-57,569	-63,972	-0,00246	103p	7,059k	9,9498	-89,958
741.31M	-57,471	-64,28	-0,00241	100,7p	7,198k	9,8263	-89,958
749.89M	-57,381	-64,583	-0,00237	98,33p	7,338k	9,7045	-89,958
758.58M	-57,298	-64,884	-0,00232	96,05p	7,48k	9,5844	-89,959
767.36M	-57,222	-65,18	-0,00228	93,81p	7,623k	9,4661	-89,959
776.25M	-57,153	-65,473	-0,00224	91,61p	7,768k	9,3494	-89,959
785.24M	-57,089	-65,763	-0,00219	89,47p	7,915k	9,2344	-89,959
794.33M	-57,032	-66,049	-0,00215	87,37p	8,063k	9,1209	-89,96
803.53M	-56,98	-66,331	-0,00212	85,32p	8,213k	9,0091	-89,96
812.83M	-56,933	-66,61	-0,00208	83,32p	8,365k	8,8988	-89,96
822.24M	-56,892	-66,886	-0,00204	81,36p	8,519k	8,79	-89,961
831.76M	-56,855	-67,158	-0,002	79,45p	8,674k	8,6827	-89,961
841.4M	-56,823	-67,427	-0,00197	77,58p	8,83k	8,5769	-89,961
851.14M	-56,795	-67,693	-0,00193	75,75p	8,989k	8,4726	-89,961
860.99M	-56,771	-67,956	-0,0019	73,96p	9,149k	8,3696	-89,962
870.96M	-56,752	-68,215	-0,00187	72,22p	9,311k	8,2681	-89,962
881.05M	-56,736	-68,471	-0,00183	70,52p	9,475k	8,1679	-89,962
891.25M	-56,724	-68,724	-0,0018	68,86p	9,64k	8,0691	-89,962
901.57M	-56,716	-68,974	-0,00177	67,24p	9,808k	7,9715	-89,962
912.01M	-56,711	-69,22	-0,00174	65,66p	9,977k	7,8753	-89,963
922.57M	-56,709	-69,464	-0,00171	64,11p	10,147k	7,7804	-89,963
933.25M	-56,71	-69,705	-0,00168	62,6p	10,32k	7,6867	-89,963
944.06M	-56,714	-69,943	-0,00166	61,13p	10,495k	7,5943	-89,963
954.99M	-56,722	-70,177	-0,00163	59,69p	10,671k	7,5031	-89,963
966.05M	-56,732	-70,409	-0,0016	58,29p	10,849k	7,413	-89,964
977.24M	-56,744	-70,639	-0,00158	56,92p	11,029k	7,3242	-89,964
988.55M	-56,76	-70,865	-0,00155	55,58p	11,211k	7,2365	-89,964
1G	-56,777	-71,089	-0,00152	54,27p	11,395k	7,1499	-89,964