



MMAI INC. Broadcast Transmission Line Systems, Filters & Combiners
 360 Franklin Turnpike, Mahwah, NJ 07430

Phone (201) 684-0100
 Fax (201) 684-0104

7 3/16" 75 Ohm Rigid Coaxial Transmission Line, AM Ratings and Efficiency in Percent

Freq. kHz	ATTEN. in dB/100 ft	500 ft	1000 ft	1500 ft	2000 ft	2500 ft
535	0.00274	99.685	99.371	99.059	98.747	98.436
540	0.00275	99.684	99.369	99.054	98.741	98.429
545	0.00276	99.682	99.366	99.050	98.735	98.422
550	0.00278	99.681	99.363	99.046	98.729	98.414
555	0.00279	99.679	99.360	99.041	98.724	98.407
560	0.00280	99.678	99.357	99.037	98.718	98.400
565	0.00281	99.677	99.354	99.033	98.712	98.393
570	0.00283	99.675	99.351	99.028	98.707	98.386
575	0.00284	99.674	99.348	99.024	98.701	98.379
580	0.00285	99.672	99.346	99.020	98.696	98.372
585	0.00286	99.671	99.343	99.016	98.690	98.365
590	0.00288	99.669	99.340	99.012	98.684	98.358
595	0.00289	99.668	99.337	99.008	98.679	98.351
600	0.00290	99.667	99.334	99.003	98.673	98.344
605	0.00291	99.665	99.332	98.999	98.668	98.338
610	0.00292	99.664	99.329	98.995	98.662	98.331
615	0.00294	99.663	99.326	98.991	98.657	98.324
620	0.00295	99.661	99.324	98.987	98.652	98.317
625	0.00296	99.660	99.321	98.983	98.646	98.311
630	0.00297	99.658	99.318	98.979	98.641	98.304
635	0.00298	99.657	99.315	98.975	98.635	98.297
640	0.00300	99.656	99.313	98.971	98.630	98.291
645	0.00301	99.654	99.310	98.967	98.625	98.284
650	0.00302	99.653	99.307	98.963	98.620	98.277
655	0.00303	99.652	99.305	98.959	98.614	98.271
660	0.00304	99.650	99.302	98.955	98.609	98.264
665	0.00305	99.649	99.299	98.951	98.604	98.258
670	0.00306	99.648	99.297	98.947	98.599	98.251
675	0.00308	99.646	99.294	98.943	98.593	98.245
680	0.00309	99.645	99.292	98.939	98.588	98.239
685	0.00310	99.644	99.289	98.935	98.583	98.232
690	0.00311	99.643	99.286	98.932	98.578	98.226
695	0.00312	99.641	99.284	98.928	98.573	98.219
700	0.00313	99.640	99.281	98.924	98.568	98.213
705	0.00314	99.639	99.279	98.920	98.563	98.207
710	0.00315	99.637	99.276	98.916	98.558	98.200
715	0.00317	99.636	99.274	98.913	98.553	98.194
720	0.00318	99.635	99.271	98.909	98.548	98.188
725	0.00319	99.634	99.269	98.905	98.543	98.182
730	0.00320	99.632	99.266	98.901	98.538	98.175
735	0.00321	99.631	99.264	98.898	98.533	98.169
740	0.00322	99.630	99.261	98.894	98.528	98.163
745	0.00323	99.629	99.259	98.890	98.523	98.157
750	0.00324	99.627	99.256	98.886	98.518	98.151
755	0.00325	99.626	99.254	98.883	98.513	98.145
760	0.00326	99.625	99.251	98.879	98.508	98.139
765	0.00327	99.624	99.249	98.875	98.503	98.133
770	0.00329	99.622	99.246	98.872	98.498	98.127
775	0.00330	99.621	99.244	98.868	98.494	98.121
780	0.00331	99.620	99.242	98.864	98.489	98.115

Standard Conditions:

Attenuation: Ambient Temperature 20°C (68°F), Dry Air, Sea Level Atmospheric Pressure, VSWR 1.0, 0KW

Average Power: Ambient Temperature 40°C (104°F), Inner Conductor Temperature 100°C (212°F), Dry Air, Sea Level Atmospheric Pressure, VSWR 1.0



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Freq. kHz	ATTEN. in dB/100 ft	500 ft	1000 ft	1500 ft	2000 ft	2500 ft
785	0.00332	99.619	99.239	98.861	98.484	98.109
790	0.00333	99.618	99.237	98.857	98.479	98.103
795	0.00334	99.616	99.234	98.854	98.474	98.097
800	0.00335	99.615	99.232	98.850	98.470	98.091
805	0.00336	99.614	99.230	98.847	98.465	98.085
810	0.00337	99.613	99.227	98.843	98.460	98.079
815	0.00338	99.612	99.225	98.839	98.456	98.073
820	0.00339	99.610	99.222	98.836	98.451	98.067
825	0.00340	99.609	99.220	98.832	98.446	98.062
830	0.00341	99.608	99.218	98.829	98.442	98.056
835	0.00342	99.607	99.215	98.825	98.437	98.050
840	0.00343	99.606	99.213	98.822	98.432	98.044
845	0.00344	99.605	99.211	98.818	98.428	98.038
850	0.00345	99.603	99.208	98.815	98.423	98.033
855	0.00346	99.602	99.206	98.811	98.418	98.027
860	0.00347	99.601	99.204	98.808	98.414	98.021
865	0.00348	99.600	99.201	98.805	98.409	98.016
870	0.00349	99.599	99.199	98.801	98.405	98.010
875	0.00350	99.598	99.197	98.798	98.400	98.004
880	0.00351	99.596	99.195	98.794	98.396	97.999
885	0.00352	99.595	99.192	98.791	98.391	97.993
890	0.00353	99.594	99.190	98.788	98.387	97.987
895	0.00354	99.593	99.188	98.784	98.382	97.982
900	0.00355	99.592	99.186	98.781	98.378	97.976
905	0.00356	99.591	99.183	98.777	98.373	97.971
910	0.00357	99.590	99.181	98.774	98.369	97.965
915	0.00358	99.589	99.179	98.771	98.364	97.960
920	0.00359	99.587	99.177	98.767	98.360	97.954
925	0.00360	99.586	99.174	98.764	98.355	97.949
930	0.00361	99.585	99.172	98.761	98.351	97.943
935	0.00362	99.584	99.170	98.757	98.347	97.938
940	0.00363	99.583	99.168	98.754	98.342	97.932
945	0.00364	99.582	99.165	98.751	98.338	97.927
950	0.00365	99.581	99.163	98.748	98.334	97.921
955	0.00366	99.580	99.161	98.744	98.329	97.916
960	0.00367	99.579	99.159	98.741	98.325	97.911
965	0.00368	99.577	99.157	98.738	98.321	97.905
970	0.00369	99.576	99.155	98.735	98.316	97.900
975	0.00370	99.575	99.152	98.731	98.312	97.894
980	0.00371	99.574	99.150	98.728	98.308	97.889
985	0.00372	99.573	99.148	98.725	98.303	97.884
990	0.00373	99.572	99.146	98.722	98.299	97.878
995	0.00373	99.571	99.144	98.718	98.295	97.873
1000	0.00374	99.570	99.142	98.715	98.291	97.868
1100	0.00393	99.549	99.100	98.653	98.208	97.765
1200	0.00410	99.529	99.060	98.593	98.129	97.667
1300	0.00427	99.510	99.022	98.536	98.053	97.573
1400	0.00443	99.491	98.985	98.482	97.981	97.482
1500	0.00459	99.473	98.950	98.429	97.911	97.395
1600	0.00474	99.456	98.915	98.378	97.843	97.311
1700	0.00488	99.440	98.882	98.328	97.777	97.229

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