



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

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

4 1/16" 50 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	0.00538	99.383	98.770	98.161	97.555	96.953
540	0.00540	99.380	98.764	98.152	97.544	96.939
545	0.00543	99.377	98.759	98.144	97.533	96.925
550	0.00545	99.375	98.753	98.135	97.521	96.911
555	0.00547	99.372	98.747	98.127	97.510	96.898
560	0.00550	99.369	98.742	98.119	97.499	96.884
565	0.00552	99.366	98.736	98.110	97.488	96.870
570	0.00555	99.363	98.731	98.102	97.477	96.857
575	0.00557	99.361	98.725	98.094	97.466	96.843
580	0.00560	99.358	98.720	98.086	97.456	96.830
585	0.00562	99.355	98.714	98.077	97.445	96.816
590	0.00564	99.352	98.709	98.069	97.434	96.803
595	0.00567	99.350	98.703	98.061	97.423	96.790
600	0.00569	99.347	98.698	98.053	97.413	96.776
605	0.00572	99.344	98.692	98.045	97.402	96.763
610	0.00574	99.341	98.687	98.037	97.391	96.750
615	0.00576	99.339	98.682	98.029	97.381	96.737
620	0.00579	99.336	98.676	98.021	97.370	96.724
625	0.00581	99.333	98.671	98.013	97.360	96.711
630	0.00583	99.331	98.666	98.006	97.350	96.698
635	0.00586	99.328	98.661	97.998	97.339	96.685
640	0.00588	99.325	98.655	97.990	97.329	96.672
645	0.00590	99.323	98.650	97.982	97.319	96.660
650	0.00592	99.320	98.645	97.974	97.308	96.647
655	0.00595	99.318	98.640	97.967	97.298	96.634
660	0.00597	99.315	98.635	97.959	97.288	96.622
665	0.00599	99.312	98.630	97.951	97.278	96.609
670	0.00602	99.310	98.625	97.944	97.268	96.597
675	0.00604	99.307	98.619	97.936	97.258	96.584
680	0.00606	99.305	98.614	97.929	97.248	96.572
685	0.00608	99.302	98.609	97.921	97.238	96.559
690	0.00610	99.300	98.604	97.914	97.228	96.547
695	0.00613	99.297	98.599	97.906	97.218	96.535
700	0.00615	99.295	98.594	97.899	97.208	96.523
705	0.00617	99.292	98.589	97.891	97.198	96.510
710	0.00619	99.290	98.584	97.884	97.189	96.498
715	0.00621	99.287	98.579	97.877	97.179	96.486
720	0.00624	99.285	98.574	97.869	97.169	96.474
725	0.00626	99.282	98.570	97.862	97.160	96.462
730	0.00628	99.280	98.565	97.855	97.150	96.450
735	0.00630	99.277	98.560	97.847	97.140	96.438
740	0.00632	99.275	98.555	97.840	97.131	96.426
745	0.00634	99.272	98.550	97.833	97.121	96.415
750	0.00636	99.270	98.545	97.826	97.112	96.403
755	0.00639	99.268	98.540	97.819	97.102	96.391
760	0.00641	99.265	98.536	97.812	97.093	96.379
765	0.00643	99.263	98.531	97.804	97.083	96.368
770	0.00645	99.260	98.526	97.797	97.074	96.356
775	0.00647	99.258	98.521	97.790	97.065	96.344
780	0.00649	99.256	98.517	97.783	97.055	96.333

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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785	0.00651	99.253	98.512	97.776	97.046	96.321
790	0.00653	99.251	98.507	97.769	97.037	96.310
795	0.00655	99.248	98.503	97.762	97.028	96.298
800	0.00657	99.246	98.498	97.755	97.018	96.287
805	0.00659	99.244	98.493	97.748	97.009	96.276
810	0.00661	99.241	98.489	97.742	97.000	96.264
815	0.00663	99.239	98.484	97.735	96.991	96.253
820	0.00665	99.237	98.479	97.728	96.982	96.242
825	0.00667	99.234	98.475	97.721	96.973	96.231
830	0.00669	99.232	98.470	97.714	96.964	96.219
835	0.00672	99.230	98.466	97.707	96.955	96.208
840	0.00674	99.228	98.461	97.701	96.946	96.197
845	0.00676	99.225	98.457	97.694	96.937	96.186
850	0.00678	99.223	98.452	97.687	96.928	96.175
855	0.00680	99.221	98.448	97.680	96.919	96.164
860	0.00681	99.218	98.443	97.674	96.910	96.153
865	0.00683	99.216	98.439	97.667	96.902	96.142
870	0.00685	99.214	98.434	97.660	96.893	96.131
875	0.00687	99.212	98.430	97.654	96.884	96.120
880	0.00689	99.209	98.425	97.647	96.875	96.109
885	0.00691	99.207	98.421	97.641	96.866	96.099
890	0.00693	99.205	98.416	97.634	96.858	96.088
895	0.00695	99.203	98.412	97.627	96.849	96.077
900	0.00697	99.201	98.408	97.621	96.840	96.066
905	0.00699	99.198	98.403	97.614	96.832	96.056
910	0.00701	99.196	98.399	97.608	96.823	96.045
915	0.00703	99.194	98.394	97.601	96.815	96.034
920	0.00705	99.192	98.390	97.595	96.806	96.024
925	0.00707	99.190	98.386	97.588	96.798	96.013
930	0.00709	99.187	98.381	97.582	96.789	96.003
935	0.00711	99.185	98.377	97.576	96.781	95.992
940	0.00712	99.183	98.373	97.569	96.772	95.982
945	0.00714	99.181	98.369	97.563	96.764	95.971
950	0.00716	99.179	98.364	97.556	96.755	95.961
955	0.00718	99.177	98.360	97.550	96.747	95.950
960	0.00720	99.174	98.356	97.544	96.739	95.940
965	0.00722	99.172	98.352	97.537	96.730	95.930
970	0.00724	99.170	98.347	97.531	96.722	95.919
975	0.00726	99.168	98.343	97.525	96.714	95.909
980	0.00727	99.166	98.339	97.519	96.705	95.899
985	0.00729	99.164	98.335	97.512	96.697	95.889
990	0.00731	99.162	98.330	97.506	96.689	95.878
995	0.00733	99.160	98.326	97.500	96.681	95.868
1000	0.00735	99.158	98.322	97.494	96.672	95.858
1100	0.00771	99.117	98.241	97.373	96.513	95.660
1200	0.00805	99.077	98.163	97.258	96.361	95.472
1300	0.00838	99.040	98.089	97.148	96.215	95.291
1400	0.00870	99.004	98.018	97.041	96.075	95.118
1500	0.00900	98.969	97.949	96.939	95.940	94.951
1600	0.00930	98.936	97.882	96.840	95.810	94.790
1700	0.00958	98.903	97.818	96.745	95.683	94.634

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