



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

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

7/8" 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	0.02701	96.939	93.971	91.094	88.305	85.602
540	0.02713	96.924	93.944	91.054	88.254	85.540
545	0.02726	96.911	93.916	91.015	88.203	85.478
550	0.02738	96.897	93.889	90.976	88.152	85.417
555	0.02751	96.883	93.863	90.937	88.102	85.356
560	0.02763	96.869	93.836	90.898	88.052	85.295
565	0.02775	96.855	93.809	90.859	88.002	85.234
570	0.02788	96.842	93.783	90.821	87.952	85.174
575	0.02800	96.828	93.757	90.783	87.903	85.115
580	0.02812	96.814	93.730	90.744	87.854	85.055
585	0.02824	96.801	93.704	90.707	87.805	84.996
590	0.02836	96.788	93.678	90.669	87.756	84.937
595	0.02848	96.774	93.652	90.631	87.708	84.878
600	0.02860	96.761	93.627	90.594	87.659	84.820
605	0.02872	96.748	93.601	90.557	87.611	84.762
610	0.02884	96.734	93.575	90.520	87.564	84.704
615	0.02896	96.721	93.550	90.483	87.516	84.647
620	0.02907	96.708	93.525	90.446	87.469	84.590
625	0.02919	96.695	93.500	90.410	87.422	84.533
630	0.02931	96.682	93.474	90.373	87.375	84.476
635	0.02942	96.669	93.450	90.337	87.328	84.419
640	0.02954	96.656	93.425	90.301	87.282	84.363
645	0.02965	96.644	93.400	90.265	87.235	84.307
650	0.02977	96.631	93.375	90.229	87.189	84.252
655	0.02988	96.618	93.351	90.194	87.143	84.196
660	0.03000	96.605	93.326	90.158	87.098	84.141
665	0.03011	96.593	93.302	90.123	87.052	84.086
670	0.03022	96.580	93.278	90.088	87.007	84.032
675	0.03034	96.568	93.253	90.053	86.962	83.977
680	0.03045	96.555	93.229	90.018	86.917	83.923
685	0.03056	96.543	93.205	89.983	86.872	83.869
690	0.03067	96.531	93.181	89.948	86.828	83.815
695	0.03078	96.518	93.158	89.914	86.783	83.762
700	0.03089	96.506	93.134	89.880	86.739	83.708
705	0.03100	96.494	93.110	89.846	86.695	83.655
710	0.03111	96.481	93.087	89.811	86.651	83.603
715	0.03122	96.469	93.063	89.778	86.608	83.550
720	0.03133	96.457	93.040	89.744	86.564	83.498
725	0.03144	96.445	93.017	89.710	86.521	83.445
730	0.03155	96.433	92.994	89.677	86.478	83.393
735	0.03166	96.421	92.970	89.643	86.435	83.342
740	0.03176	96.409	92.947	89.610	86.392	83.290
745	0.03187	96.397	92.925	89.577	86.350	83.239
750	0.03198	96.386	92.902	89.544	86.307	83.188
755	0.03208	96.374	92.879	89.511	86.265	83.137
760	0.03219	96.362	92.856	89.478	86.223	83.086
765	0.03229	96.350	92.834	89.445	86.181	83.035
770	0.03240	96.339	92.811	89.413	86.139	82.985
775	0.03251	96.327	92.789	89.380	86.097	82.935
780	0.03261	96.315	92.766	89.348	86.056	82.885

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	0.03271	96.304	92.744	89.316	86.015	82.835
790	0.03282	96.292	92.722	89.284	85.973	82.786
795	0.03292	96.281	92.700	89.252	85.932	82.736
800	0.03303	96.269	92.678	89.220	85.891	82.687
805	0.03313	96.258	92.656	89.188	85.851	82.638
810	0.03323	96.246	92.634	89.157	85.810	82.589
815	0.03333	96.235	92.612	89.125	85.770	82.540
820	0.03344	96.224	92.590	89.094	85.729	82.492
825	0.03354	96.212	92.568	89.062	85.689	82.444
830	0.03364	96.201	92.547	89.031	85.649	82.395
835	0.03374	96.190	92.525	89.000	85.609	82.347
840	0.03384	96.179	92.504	88.969	85.569	82.300
845	0.03394	96.168	92.482	88.938	85.530	82.252
850	0.03404	96.157	92.461	88.907	85.490	82.205
855	0.03414	96.146	92.440	88.877	85.451	82.157
860	0.03424	96.135	92.418	88.846	85.412	82.110
865	0.03434	96.124	92.397	88.816	85.373	82.063
870	0.03444	96.113	92.376	88.785	85.334	82.016
875	0.03454	96.102	92.355	88.755	85.295	81.970
880	0.03464	96.091	92.334	88.725	85.256	81.923
885	0.03474	96.080	92.313	88.695	85.218	81.877
890	0.03483	96.069	92.293	88.665	85.179	81.831
895	0.03493	96.058	92.272	88.635	85.141	81.785
900	0.03503	96.047	92.251	88.605	85.103	81.739
905	0.03513	96.037	92.230	88.575	85.065	81.693
910	0.03522	96.026	92.210	88.545	85.027	81.648
915	0.03532	96.015	92.189	88.516	84.989	81.602
920	0.03542	96.005	92.169	88.486	84.951	81.557
925	0.03551	95.994	92.149	88.457	84.914	81.512
930	0.03561	95.983	92.128	88.428	84.876	81.467
935	0.03570	95.973	92.108	88.399	84.839	81.422
940	0.03580	95.962	92.088	88.370	84.801	81.377
945	0.03589	95.952	92.068	88.340	84.764	81.333
950	0.03599	95.941	92.047	88.312	84.727	81.289
955	0.03608	95.931	92.027	88.283	84.690	81.244
960	0.03618	95.920	92.007	88.254	84.654	81.200
965	0.03627	95.910	91.987	88.225	84.617	81.156
970	0.03637	95.900	91.968	88.197	84.580	81.112
975	0.03646	95.889	91.948	88.168	84.544	81.069
980	0.03655	95.879	91.928	88.140	84.508	81.025
985	0.03665	95.869	91.908	88.111	84.471	80.982
990	0.03674	95.859	91.889	88.083	84.435	80.938
995	0.03683	95.848	91.869	88.055	84.399	80.895
1000	0.03692	95.838	91.849	88.027	84.363	80.852
1100	0.03873	95.639	91.469	87.481	83.666	80.018
1200	0.04045	95.450	91.107	86.962	83.005	79.229
1300	0.04210	95.269	90.761	86.467	82.376	78.479
1400	0.04369	95.095	90.430	85.994	81.776	77.764
1500	0.04522	94.927	90.111	85.540	81.200	77.081
1600	0.04670	94.765	89.804	85.103	80.647	76.426
1700	0.04814	94.608	89.507	84.681	80.115	75.796

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