



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

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

6 1/8" 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	0.00354	99.594	99.189	98.786	98.385	97.985
540	0.00355	99.592	99.185	98.781	98.377	97.976
545	0.00357	99.590	99.182	98.775	98.370	97.967
550	0.00359	99.588	99.178	98.769	98.363	97.957
555	0.00360	99.586	99.174	98.764	98.355	97.948
560	0.00362	99.584	99.170	98.758	98.348	97.939
565	0.00363	99.583	99.167	98.753	98.341	97.930
570	0.00365	99.581	99.163	98.747	98.333	97.921
575	0.00367	99.579	99.159	98.742	98.326	97.912
580	0.00368	99.577	99.156	98.736	98.319	97.903
585	0.00370	99.575	99.152	98.731	98.312	97.894
590	0.00371	99.573	99.149	98.726	98.305	97.885
595	0.00373	99.572	99.145	98.720	98.297	97.876
600	0.00374	99.570	99.141	98.715	98.290	97.868
605	0.00376	99.568	99.138	98.710	98.283	97.859
610	0.00378	99.566	99.134	98.704	98.276	97.850
615	0.00379	99.564	99.131	98.699	98.269	97.841
620	0.00381	99.563	99.127	98.694	98.262	97.833
625	0.00382	99.561	99.124	98.689	98.255	97.824
630	0.00384	99.559	99.120	98.683	98.248	97.815
635	0.00385	99.557	99.117	98.678	98.242	97.807
640	0.00387	99.556	99.113	98.673	98.235	97.798
645	0.00388	99.554	99.110	98.668	98.228	97.790
650	0.00390	99.552	99.107	98.663	98.221	97.781
655	0.00391	99.551	99.103	98.658	98.214	97.773
660	0.00393	99.549	99.100	98.653	98.208	97.765
665	0.00394	99.547	99.096	98.648	98.201	97.756
670	0.00396	99.545	99.093	98.643	98.194	97.748
675	0.00397	99.544	99.090	98.638	98.188	97.740
680	0.00399	99.542	99.086	98.633	98.181	97.731
685	0.00400	99.540	99.083	98.628	98.174	97.723
690	0.00402	99.539	99.080	98.623	98.168	97.715
695	0.00403	99.537	99.076	98.618	98.161	97.707
700	0.00404	99.535	99.073	98.613	98.155	97.699
705	0.00406	99.534	99.070	98.608	98.148	97.691
710	0.00407	99.532	99.066	98.603	98.142	97.682
715	0.00409	99.530	99.063	98.598	98.135	97.674
720	0.00410	99.529	99.060	98.593	98.129	97.666
725	0.00412	99.527	99.057	98.588	98.122	97.658
730	0.00413	99.526	99.053	98.584	98.116	97.650
735	0.00414	99.524	99.050	98.579	98.109	97.642
740	0.00416	99.522	99.047	98.574	98.103	97.635
745	0.00417	99.521	99.044	98.569	98.097	97.627
750	0.00419	99.519	99.041	98.564	98.090	97.619
755	0.00420	99.518	99.037	98.560	98.084	97.611
760	0.00421	99.516	99.034	98.555	98.078	97.603
765	0.00423	99.514	99.031	98.550	98.072	97.595
770	0.00424	99.513	99.028	98.546	98.065	97.588
775	0.00426	99.511	99.025	98.541	98.059	97.580
780	0.00427	99.510	99.022	98.536	98.053	97.572

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



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

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

6 1/8" 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
785	0.00428	99.508	99.019	98.532	98.047	97.565
790	0.00430	99.507	99.016	98.527	98.041	97.557
795	0.00431	99.505	99.012	98.522	98.035	97.549
800	0.00432	99.503	99.009	98.518	98.028	97.542
805	0.00434	99.502	99.006	98.513	98.022	97.534
810	0.00435	99.500	99.003	98.509	98.016	97.527
815	0.00436	99.499	99.000	98.504	98.010	97.519
820	0.00438	99.497	98.997	98.499	98.004	97.512
825	0.00439	99.496	98.994	98.495	97.998	97.504
830	0.00440	99.494	98.991	98.490	97.992	97.497
835	0.00442	99.493	98.988	98.486	97.986	97.489
840	0.00443	99.491	98.985	98.481	97.980	97.482
845	0.00444	99.490	98.982	98.477	97.974	97.474
850	0.00446	99.488	98.979	98.472	97.968	97.467
855	0.00447	99.487	98.976	98.468	97.963	97.460
860	0.00448	99.485	98.973	98.464	97.957	97.452
865	0.00450	99.484	98.970	98.459	97.951	97.445
870	0.00451	99.482	98.967	98.455	97.945	97.438
875	0.00452	99.481	98.964	98.450	97.939	97.431
880	0.00453	99.479	98.961	98.446	97.933	97.423
885	0.00455	99.478	98.958	98.442	97.927	97.416
890	0.00456	99.476	98.955	98.437	97.922	97.409
895	0.00457	99.475	98.952	98.433	97.916	97.402
900	0.00459	99.473	98.950	98.428	97.910	97.395
905	0.00460	99.472	98.947	98.424	97.904	97.387
910	0.00461	99.470	98.944	98.420	97.899	97.380
915	0.00462	99.469	98.941	98.416	97.893	97.373
920	0.00464	99.468	98.938	98.411	97.887	97.366
925	0.00465	99.466	98.935	98.407	97.882	97.359
930	0.00466	99.465	98.932	98.403	97.876	97.352
935	0.00467	99.463	98.929	98.398	97.870	97.345
940	0.00469	99.462	98.927	98.394	97.865	97.338
945	0.00470	99.460	98.924	98.390	97.859	97.331
950	0.00471	99.459	98.921	98.386	97.853	97.324
955	0.00472	99.458	98.918	98.382	97.848	97.317
960	0.00474	99.456	98.915	98.377	97.842	97.310
965	0.00475	99.455	98.912	98.373	97.837	97.303
970	0.00476	99.453	98.910	98.369	97.831	97.296
975	0.00477	99.452	98.907	98.365	97.826	97.290
980	0.00479	99.451	98.904	98.361	97.820	97.283
985	0.00480	99.449	98.901	98.357	97.815	97.276
990	0.00481	99.448	98.899	98.352	97.809	97.269
995	0.00482	99.446	98.896	98.348	97.804	97.262
1000	0.00483	99.445	98.893	98.344	97.798	97.256
1100	0.00507	99.418	98.839	98.264	97.692	97.124
1200	0.00530	99.392	98.788	98.188	97.591	96.998
1300	0.00551	99.367	98.739	98.114	97.494	96.877
1400	0.00572	99.344	98.692	98.044	97.400	96.761
1500	0.00592	99.321	98.646	97.976	97.310	96.649
1600	0.00611	99.298	98.602	97.910	97.223	96.541
1700	0.00630	99.277	98.559	97.847	97.139	96.437

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