



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

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

8 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	0.00240	99.725	99.450	99.176	98.903	98.630
540	0.00241	99.723	99.447	99.172	98.897	98.624
545	0.00242	99.722	99.445	99.168	98.892	98.617
550	0.00243	99.721	99.442	99.164	98.887	98.611
555	0.00244	99.719	99.440	99.161	98.882	98.605
560	0.00245	99.718	99.437	99.157	98.877	98.599
565	0.00246	99.717	99.435	99.153	98.872	98.592
570	0.00247	99.716	99.432	99.149	98.867	98.586
575	0.00248	99.714	99.430	99.146	98.863	98.580
580	0.00249	99.713	99.427	99.142	98.858	98.574
585	0.00251	99.712	99.425	99.138	98.853	98.568
590	0.00252	99.711	99.422	99.135	98.848	98.562
595	0.00253	99.709	99.420	99.131	98.843	98.556
600	0.00254	99.708	99.417	99.127	98.838	98.550
605	0.00255	99.707	99.415	99.124	98.833	98.544
610	0.00256	99.706	99.413	99.120	98.829	98.538
615	0.00257	99.705	99.410	99.117	98.824	98.532
620	0.00258	99.703	99.408	99.113	98.819	98.526
625	0.00259	99.702	99.405	99.109	98.814	98.520
630	0.00260	99.701	99.403	99.106	98.810	98.514
635	0.00261	99.700	99.401	99.102	98.805	98.508
640	0.00262	99.699	99.398	99.099	98.800	98.503
645	0.00263	99.698	99.396	99.095	98.796	98.497
650	0.00264	99.696	99.394	99.092	98.791	98.491
655	0.00265	99.695	99.391	99.088	98.786	98.485
660	0.00266	99.694	99.389	99.085	98.782	98.480
665	0.00267	99.693	99.387	99.082	98.777	98.474
670	0.00268	99.692	99.384	99.078	98.773	98.468
675	0.00269	99.691	99.382	99.075	98.768	98.463
680	0.00270	99.689	99.380	99.071	98.764	98.457
685	0.00271	99.688	99.378	99.068	98.759	98.451
690	0.00272	99.687	99.375	99.065	98.755	98.446
695	0.00273	99.686	99.373	99.061	98.750	98.440
700	0.00274	99.685	99.371	99.058	98.746	98.435
705	0.00275	99.684	99.369	99.054	98.741	98.429
710	0.00276	99.683	99.366	99.051	98.737	98.424
715	0.00277	99.682	99.364	99.048	98.732	98.418
720	0.00278	99.680	99.362	99.044	98.728	98.413
725	0.00279	99.679	99.360	99.041	98.724	98.407
730	0.00280	99.678	99.358	99.038	98.719	98.402
735	0.00281	99.677	99.355	99.035	98.715	98.396
740	0.00282	99.676	99.353	99.031	98.711	98.391
745	0.00283	99.675	99.351	99.028	98.706	98.385
750	0.00284	99.674	99.349	99.025	98.702	98.380
755	0.00285	99.673	99.347	99.022	98.698	98.375
760	0.00286	99.672	99.345	99.018	98.693	98.369
765	0.00287	99.671	99.342	99.015	98.689	98.364
770	0.00287	99.670	99.340	99.012	98.685	98.359
775	0.00288	99.669	99.338	99.009	98.681	98.354
780	0.00289	99.667	99.336	99.006	98.676	98.348

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	0.00290	99.666	99.334	99.002	98.672	98.343
790	0.00291	99.665	99.332	98.999	98.668	98.338
795	0.00292	99.664	99.330	98.996	98.664	98.333
800	0.00293	99.663	99.328	98.993	98.660	98.327
805	0.00294	99.662	99.325	98.990	98.656	98.322
810	0.00295	99.661	99.323	98.987	98.651	98.317
815	0.00296	99.660	99.321	98.984	98.647	98.312
820	0.00297	99.659	99.319	98.981	98.643	98.307
825	0.00298	99.658	99.317	98.978	98.639	98.302
830	0.00298	99.657	99.315	98.974	98.635	98.297
835	0.00299	99.656	99.313	98.971	98.631	98.292
840	0.00300	99.655	99.311	98.968	98.627	98.286
845	0.00301	99.654	99.309	98.965	98.623	98.281
850	0.00302	99.653	99.307	98.962	98.619	98.276
855	0.00303	99.652	99.305	98.959	98.615	98.271
860	0.00304	99.651	99.303	98.956	98.611	98.266
865	0.00305	99.650	99.301	98.953	98.607	98.261
870	0.00306	99.649	99.299	98.950	98.603	98.256
875	0.00306	99.648	99.297	98.947	98.599	98.251
880	0.00307	99.647	99.295	98.944	98.595	98.246
885	0.00308	99.646	99.293	98.941	98.591	98.242
890	0.00309	99.645	99.291	98.938	98.587	98.237
895	0.00310	99.644	99.289	98.935	98.583	98.232
900	0.00311	99.643	99.287	98.932	98.579	98.227
905	0.00312	99.642	99.285	98.929	98.575	98.222
910	0.00313	99.641	99.283	98.926	98.571	98.217
915	0.00313	99.640	99.281	98.923	98.567	98.212
920	0.00314	99.639	99.279	98.921	98.563	98.207
925	0.00315	99.638	99.277	98.918	98.559	98.203
930	0.00316	99.637	99.275	98.915	98.556	98.198
935	0.00317	99.636	99.273	98.912	98.552	98.193
940	0.00318	99.635	99.271	98.909	98.548	98.188
945	0.00318	99.634	99.269	98.906	98.544	98.183
950	0.00319	99.633	99.267	98.903	98.540	98.179
955	0.00320	99.632	99.266	98.900	98.536	98.174
960	0.00321	99.631	99.264	98.897	98.533	98.169
965	0.00322	99.630	99.262	98.895	98.529	98.165
970	0.00323	99.629	99.260	98.892	98.525	98.160
975	0.00323	99.628	99.258	98.889	98.521	98.155
980	0.00324	99.627	99.256	98.886	98.518	98.150
985	0.00325	99.626	99.254	98.883	98.514	98.146
990	0.00326	99.625	99.252	98.880	98.510	98.141
995	0.00327	99.624	99.250	98.878	98.506	98.136
1000	0.00328	99.624	99.248	98.875	98.503	98.132
1100	0.00344	99.605	99.212	98.820	98.430	98.042
1200	0.00359	99.588	99.177	98.768	98.361	97.955
1300	0.00374	99.571	99.144	98.718	98.295	97.873
1400	0.00388	99.555	99.111	98.670	98.231	97.793
1500	0.00401	99.539	99.080	98.624	98.169	97.717
1600	0.00414	99.524	99.050	98.579	98.110	97.643
1700	0.00427	99.509	99.021	98.536	98.052	97.571

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