



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

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

**3 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	0.00700	99.197	98.400	97.610	96.826	96.048
540	0.00704	99.193	98.393	97.599	96.811	96.030
545	0.00707	99.189	98.385	97.588	96.797	96.012
550	0.00710	99.186	98.378	97.577	96.783	95.994
555	0.00713	99.182	98.371	97.566	96.768	95.977
560	0.00717	99.178	98.364	97.555	96.754	95.959
565	0.00720	99.175	98.356	97.545	96.740	95.941
570	0.00723	99.171	98.349	97.534	96.726	95.924
575	0.00726	99.168	98.342	97.523	96.711	95.906
580	0.00729	99.164	98.335	97.513	96.697	95.889
585	0.00732	99.160	98.328	97.502	96.683	95.872
590	0.00736	99.157	98.321	97.492	96.670	95.854
595	0.00739	99.153	98.314	97.481	96.656	95.837
600	0.00742	99.150	98.307	97.471	96.642	95.820
605	0.00745	99.146	98.300	97.460	96.628	95.803
610	0.00748	99.143	98.293	97.450	96.614	95.786
615	0.00751	99.139	98.286	97.440	96.601	95.769
620	0.00754	99.136	98.279	97.429	96.587	95.753
625	0.00757	99.132	98.272	97.419	96.574	95.736
630	0.00760	99.129	98.265	97.409	96.560	95.719
635	0.00763	99.125	98.258	97.399	96.547	95.703
640	0.00766	99.122	98.252	97.389	96.534	95.686
645	0.00769	99.119	98.245	97.379	96.520	95.670
650	0.00772	99.115	98.238	97.369	96.507	95.653
655	0.00775	99.112	98.231	97.359	96.494	95.637
660	0.00778	99.108	98.225	97.349	96.481	95.621
665	0.00781	99.105	98.218	97.339	96.468	95.604
670	0.00784	99.102	98.211	97.329	96.455	95.588
675	0.00787	99.098	98.205	97.319	96.442	95.572
680	0.00790	99.095	98.198	97.310	96.429	95.556
685	0.00793	99.092	98.192	97.300	96.416	95.540
690	0.00795	99.088	98.185	97.290	96.403	95.524
695	0.00798	99.085	98.179	97.280	96.390	95.509
700	0.00801	99.082	98.172	97.271	96.378	95.493
705	0.00804	99.079	98.166	97.261	96.365	95.477
710	0.00807	99.075	98.159	97.252	96.352	95.462
715	0.00810	99.072	98.153	97.242	96.340	95.446
720	0.00813	99.069	98.146	97.233	96.327	95.430
725	0.00815	99.066	98.140	97.223	96.315	95.415
730	0.00818	99.062	98.134	97.214	96.302	95.400
735	0.00821	99.059	98.127	97.204	96.290	95.384
740	0.00824	99.056	98.121	97.195	96.278	95.369
745	0.00827	99.053	98.115	97.186	96.265	95.354
750	0.00829	99.050	98.109	97.176	96.253	95.338
755	0.00832	99.047	98.102	97.167	96.241	95.323
760	0.00835	99.044	98.096	97.158	96.229	95.308
765	0.00838	99.040	98.090	97.149	96.216	95.293
770	0.00840	99.037	98.084	97.140	96.204	95.278
775	0.00843	99.034	98.078	97.130	96.192	95.263
780	0.00846	99.031	98.072	97.121	96.180	95.248

**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	0.00848	99.028	98.065	97.112	96.168	95.233
790	0.00851	99.025	98.059	97.103	96.156	95.219
795	0.00854	99.022	98.053	97.094	96.144	95.204
800	0.00856	99.019	98.047	97.085	96.133	95.189
805	0.00859	99.016	98.041	97.076	96.121	95.175
810	0.00862	99.013	98.035	97.067	96.109	95.160
815	0.00864	99.010	98.029	97.058	96.097	95.145
820	0.00867	99.007	98.023	97.049	96.085	95.131
825	0.00870	99.004	98.017	97.041	96.074	95.117
830	0.00872	99.001	98.011	97.032	96.062	95.102
835	0.00875	98.998	98.005	97.023	96.051	95.088
840	0.00878	98.995	97.999	97.014	96.039	95.073
845	0.00880	98.992	97.994	97.006	96.027	95.059
850	0.00883	98.989	97.988	96.997	96.016	95.045
855	0.00885	98.986	97.982	96.988	96.004	95.031
860	0.00888	98.983	97.976	96.979	95.993	95.017
865	0.00891	98.980	97.970	96.971	95.982	95.003
870	0.00893	98.977	97.964	96.962	95.970	94.988
875	0.00896	98.974	97.959	96.954	95.959	94.974
880	0.00898	98.971	97.953	96.945	95.948	94.960
885	0.00901	98.968	97.947	96.937	95.936	94.947
890	0.00903	98.965	97.941	96.928	95.925	94.933
895	0.00906	98.962	97.936	96.920	95.914	94.919
900	0.00908	98.960	97.930	96.911	95.903	94.905
905	0.00911	98.957	97.924	96.903	95.892	94.891
910	0.00913	98.954	97.919	96.894	95.881	94.878
915	0.00916	98.951	97.913	96.886	95.870	94.864
920	0.00918	98.948	97.907	96.878	95.858	94.850
925	0.00921	98.945	97.902	96.869	95.847	94.837
930	0.00923	98.942	97.896	96.861	95.837	94.823
935	0.00926	98.940	97.891	96.853	95.826	94.809
940	0.00928	98.937	97.885	96.844	95.815	94.796
945	0.00931	98.934	97.879	96.836	95.804	94.783
950	0.00933	98.931	97.874	96.828	95.793	94.769
955	0.00936	98.928	97.868	96.820	95.782	94.756
960	0.00938	98.926	97.863	96.811	95.771	94.742
965	0.00941	98.923	97.857	96.803	95.761	94.729
970	0.00943	98.920	97.852	96.795	95.750	94.716
975	0.00946	98.917	97.846	96.787	95.739	94.703
980	0.00948	98.915	97.841	96.779	95.728	94.689
985	0.00950	98.912	97.835	96.771	95.718	94.676
990	0.00953	98.909	97.830	96.763	95.707	94.663
995	0.00955	98.906	97.825	96.755	95.697	94.650
1000	0.00958	98.904	97.819	96.747	95.686	94.637
1100	0.01004	98.850	97.714	96.591	95.480	94.383
1200	0.01049	98.800	97.614	96.442	95.284	94.140
1300	0.01092	98.751	97.517	96.299	95.096	93.909
1400	0.01133	98.704	97.425	96.162	94.916	93.686
1500	0.01173	98.659	97.336	96.030	94.742	93.472
1600	0.01211	98.615	97.250	95.903	94.575	93.265
1700	0.01249	98.573	97.166	95.779	94.413	93.065

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