

## MIL-C-17 Attenuation and Power Handling

M17 Part Number	Zo (ohms)	Overall Diam. (in.)	DC Resist. (ohms/1000 ft)		M17 Max Freq. (MHz)	Loss Constants		100 MHz		400MHz		1000 MHz		3000 MHz		5000 MHz		11000 MHz		M17 Max Power (w) 400MHz
			Center	Outer		Resistive k1	Dielectric k2	Loss (dB/100) Typical	Loss (dB/100) M17 (max)	Loss (dB/100) Typical	Loss (dB/100) M17 (max)	Loss (dB/100) Typical	Loss (dB/100) M17 (max)	Loss (dB/100) Typical	Loss (dB/100) M17 (max)	Loss (dB/100) Typical	Loss (dB/100) M17 (max)	Loss (dB/100) Typical	Loss (dB/100) M17 (max)	
M172-RG6	75	0.332	32.2	1.05	3000	0.256	0.00126	2.7	-	5.6	6.5	9.4	-	17.8	23.0	-	-	-	-	-
M176-RG11	75	0.405	6.10	1.18	1000	0.203	0.00126	2.2	-	4.6	5.2	7.7	9.4	-	-	-	-	-	-	290
M176-RG12	75	0.463	6.10	1.18	1000	0.203	0.00126	2.2	-	4.6	5.2	7.7	9.4	-	-	-	-	-	-	290
M1715-RG22	95	0.420	6.50	0.83	200	0.214	0.00126	2.3	4.0	4.8	-	8.0	-	-	-	-	-	-	-	-
M1715-RG111	95	0.478	6.50	0.83	200	0.214	0.00126	2.3	4.0	4.8	-	8.0	-	-	-	-	-	-	-	-
M1716-RG23	125	0.945	1.84	1.06	400	0.150	0.00126	1.6	-	3.5	5.2	6.0	-	-	-	-	-	-	-	-
M1716-RG24	125	1.003	1.84	1.06	400	0.150	0.00126	1.6	-	3.5	5.2	6.0	-	-	-	-	-	-	-	-
M1724-RG34	75	0.630	2.47	1.24	400	0.131	0.00126	1.4	-	3.1	3.8	5.4	-	-	-	-	-	-	-	680
M1728-RG58	50	0.195	10.90	4.11	1000	0.444	0.00126	4.6	6.5	9.4	17.0	15.3	28.0	-	-	-	-	-	-	90
M1729-RG59	75	0.242	51.3	2.57	1000	0.320	0.00126	3.3	-	6.9	9.0	11.4	16.0	-	-	-	-	-	-	130
M1730-RG62	93	0.242	40.9	2.57	1000	0.277	0.00074	2.8	-	5.8	8.0	9.5	13.0	-	-	-	-	-	-	-
M1731-RG63	125	0.405	40.9	1.20	400	0.183	0.00075	1.9	-	4.0	5.5	6.5	-	-	-	-	-	-	-	-
M1731-RG79	125	0.475	40.9	1.20	400	0.183	0.00075	1.9	-	4.0	5.5	6.5	-	-	-	-	-	-	-	-
M1745-RG108	78	0.235	9.70	5.24	10	0.325	0.00126	3.4	-	7.0	-	11.5	-	-	-	-	-	-	-	-
M1747-RG114	185	0.405	5.34	1.52	400	0.342	0.00066	3.5	-	7.1	8.5	11.5	-	-	-	-	-	-	-	-
M1752-RG119	50	0.465	1.01	0.94	3000	0.136	0.00120	1.5	2.1	3.2	4.4	5.5	7.6	11.0	13.0	-	-	-	-	2600
M1752-RG120	50	0.525	1.01	0.94	3000	0.136	0.00120	1.5	2.1	3.2	4.4	5.5	7.6	11.0	13.0	-	-	-	-	2600
M1752-00001	50	0.465	1.01	0.94	1000	0.136	0.00120	1.5	2.1	3.2	4.4	5.5	7.6	11.0	13.0	-	-	-	-	2600
M1754-RG122	50	0.160	15.9	4.83	1000	0.498	0.00126	5.1	8.2	10.5	18.0	17.0	30.0	-	-	-	-	-	-	62
M1756-RG130	95	0.625	1.84	0.70	200	0.114	0.00126	1.3	-	2.8	8.8	4.9	-	-	-	-	-	-	-	-
M1756-RG131	95	0.710	1.84	0.70	200	0.114	0.00126	1.3	-	2.8	8.8	4.9	-	-	-	-	-	-	-	-
M1760-RG142	50	0.195	19.1	2.22	8000	0.368	0.00120	3.8	5.5	7.8	11.7	12.8	19.0	23.8	35.0	32.0	48.0	-	-	1100
M1762-RG144	75	0.410	12.2	1.64	3000	0.188	0.00120	2.0	-	4.2	4.5	7.1	-	13.9	18.0	-	-	-	-	-
M1764-RG35	75	0.945	0.96	0.35	1000	0.071	0.00126	0.8	-	1.9	2.8	3.5	6.0	-	-	-	-	-	-	-
M1764-RG164	75	0.870	0.96	0.35	1000	0.071	0.00126	0.8	-	1.9	2.8	3.5	6.0	-	-	-	-	-	-	-
M1765-RG165	50	0.410	1.51	2.82	3000	0.182	0.00120	1.9	2.1	4.1	4.6	7.0	8.0	13.6	15.0	-	-	-	-	2700
M1765-RG166	50	0.470	1.51	2.82	3000	0.182	0.00120	1.9	2.1	4.1	4.6	7.0	8.0	13.6	15.0	-	-	-	-	2700
M1767-RG177	50	0.895	0.28	0.30	5600	0.074	0.00126	0.9	1.0	2.0	2.6	3.6	5.0	7.8	15.0	11.5	25.0	-	-	1600
M1772-RG211	50	0.730	0.28	0.47	1000	0.072	0.00120	0.8	0.85	1.9	2.3	3.5	4.5	-	-	-	-	-	-	11000
M1773-RG212	50	0.332	3.40	1.04	11000	0.250	0.00126	2.6	3.0	5.5	6.5	9.2	12.0	17.5	24.0	24.0	34.0	40.1	73.0	400
M1774-RG213	50	0.405	1.71	1.20	1000	0.191	0.00126	2.0	2.3	4.3	4.8	7.3	9.0	-	-	-	-	-	-	320
M1774-RG215	50	0.475	1.71	1.20	1000	0.191	0.00126	2.0	2.3	4.3	4.8	7.3	9.0	-	-	-	-	-	-	320
M1775-RG214	50	0.425	1.71	1.31	11000	0.190	0.00126	2.0	2.6	4.3	6.8	7.3	12.0	14.2	28.0	19.7	35.0	33.8	54.0	330
M1775-RG365	50	0.425	1.71	1.31	11000	0.190	0.00126	2.0	2.6	4.3	6.8	7.3	12.0	14.2	28.0	19.7	35.0	33.8	54.0	330
M1777-RG216	75	0.425	6.10	0.77	3000	0.203	0.00126	2.2	-	4.6	6.5	7.7	-	14.9	23.0	-	-	-	-	270
M1778-RG217	50	0.545	0.93	0.60	3000	0.127	0.00126	1.4	1.6	3.0	3.7	5.3	7.0	10.7	14.0	-	-	-	-	470
M1778-00001	50	0.545	0.93	0.60	3000	0.127	0.00126	1.4	1.6	3.0	3.7	5.3	7.0	10.7	14.0	-	-	-	-	470
M1779-RG218	50	0.870	0.28	0.35	1000	0.069	0.00126	0.8	1.0	1.9	2.8	3.4	5.0	-	-	-	-	-	-	1200
M1779-RG219	50	0.945	0.28	0.35	1000	0.069	0.00126	0.8	1.0	1.9	2.8	3.4	5.0	-	-	-	-	-	-	1200
M1781-00001	50	1.120	0.15	0.27	400	0.052	0.00126	0.6	-	1.5	2.3	2.9	-	-	-	-	-	-	-	-
M1781-00002	50	1.195	0.15	0.27	400	0.052	0.00126	0.6	-	1.5	2.3	2.9	-	-	-	-	-	-	-	-
M1784-RG223	50	0.212	8.60	2.22	12400	0.384	0.00126	4.0	6.5	8.2	12.0	13.4	21.0	24.8	40.0	33.5	55.0	54.1	84.0	86
M1786-00001	50	0.430	1.54	1.31	400	0.182	0.00120	1.9	-	4.1	5.0	7.0	-	-	-	-	-	-	-	-
M1786-00002	50	0.490	1.54	1.31	400	0.182	0.00120	1.9	-	4.1	5.0	7.0	-	-	-	-	-	-	-	-
M1787-00001	50	0.500	0.85	0.86	400	0.140	0.00120	1.5	-	3.3	3.8	5.6	-	-	-	-	-	-	-	-
M1790-RG71	93	0.245	40.9	1.54	1000	0.277	0.00074	2.8	-	5.8	8.0	9.5	-	-	-	-	-	-	-	-
M1792-RG115	50	0.344	1.91	1.34	12400	0.203	0.00120	2.2	2.5	4.5	5.7	7.6	9.8	14.7	23.0	20.4	34.0	34.5	58.0	2600
M1792-00001	50	0.415	1.91	1.34	12400	0.203	0.00120	2.2	2.5	4.5	5.7	7.6	9.8	14.7	23.0	20.4	34.0	34.5	58.0	2600
M1793-RG178	50	0.071	234	14.42	3000	1.365	0.00120	13.8	16.0	27.8	33.0	44.4	52.0	78.4	94.0	-	-	-	-	110
M1793-00001	50	0.071	234	14.42	3000	1.365	0.00120	13.8	16.0	27.8	33.0	44.4	52.0	78.4	94.0	-	-	-	-	110
M1794-RG179	75	0.100	234	8.49	400	0.800	0.00120	8.1	-	16.5	21.0	26.5	-	-	-	-	-	-	-	-
M1795-RG180	95	0.141	234	6.43	400	0.615	0.00120	6.3	-	12.8	17.0	20.6	-	-	-	-	-	-	-	-
M1797-RG210	93	0.242	40.9	2.57	400	0.277	0.00074	2.8	-	5.8	8.0	9.5	-	-	-	-	-	-	-	-
M17100-RG133	95	0.405	16.4	1.18	400	0.208	0.00126	2.2	-	4.7	5.7	7.8	-	-	-	-	-	-	-	-
M17109-RG301	50	0.245	8.00	3.00	3000	0.335	0.00120	3.5	-	7.2	-	11.8	70.0	-	116.0	-	-	-	-	-
M17110-RG302	75	0.202	40.9	2.87	3000	0.305	0.00120	3.2	-	6.6	8.0	10.8	-	20.3	26.0	-	-	-	-	-
M17111-RG303	50	0.170	19.1	4.17	3000	0.368	0.00120	3.8	3.9	7.8	8.6	12.8	15.0	23.8	28.0	-	-	-	-	1100
M17112-RG304	50	0.280	7.5	1.19	12000	0.241	0.00120	2.5	2.7	5.3	6.4	8.8	11.1	16.8	22.0	23.0	30.0	-	-	1450
M17113-RG316	50	0.098	83.3	8.46	3000	0.787	0.00120	8.0	10.5	16.2	21.0	26.1	38.0	46.7	58.0	-	-	-	-	210
M17116-RG307	75	0.265	0.66	1.24	400	0.260	0.00050	2.7	-	5.4	7.5	8.7	-	-	-	-	-	-	-	-
M17119-RG174	50	0.110	94.3	10.93	1000	0.826	0.00126	8.4	10.0	17.0	25.0	27.4	45.0	-	-	-	-	-	-	26
M17126-RG391	72	0.405	6.10	2.47	400	0.219	0.00136	2.3	-	4.9	15.0	8.3	-	-	-	-	-	-	-	-
M17126-RG392	72	0.475	6.10	2.47	400	0.219	0.00136	2.3	-	4.9	15.0	8.3	-	-	-	-	-	-	-	-