

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		11000MHz		M17 Max Power (w) 400MHz
			Center	Outer		Resistive k1	Dielectric k2	Loss (dB/100) Typical	M17 (max)	Loss (dB/100) Typical	M17 (max)	Loss (dB/100) Typical	M17 (max)	Loss (dB/100) Typical	M17 (max)	Loss (dB/100) Typical	M17 (max)	Loss (dB/100) Typical	M17 (max)	
M17/183-00001	50	0.195	10.9	4.11	1000	0.444	0.00126	4.6	6.5	9.4	17.0	15.3	28.0	-	-	-	-	-	-	90
M17/184-00001	75	0.242	51.3	2.57	1000	0.320	0.00126	3.3	-	6.9	9.0	11.4	16.0	-	-	-	-	-	-	130
M17/185-00001	93	0.242	40.9	2.57	1000	0.277	0.00074	2.8	-	5.8	8.0	9.5	13.0	-	-	-	-	-	-	-
M17/186-00001	78	0.235	9.70	5.24	10	0.325	0.00126	3.4	-	7.0	2.8	11.5	-	-	-	-	-	-	-	-
M17/187-00001	50	0.160	15.9	4.83	1000	0.498	0.00126	5.1	8.0	10.5	18.0	17.0	30.0	-	-	-	-	-	-	62
M17/188-00001	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	54.0	400
M17/189-00001	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
M17/189-00002	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
M17/190-00001	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	56.0	400
M17/191-00001	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
M17/192-00001	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	-	-	-	-	400
M17/192-00002	50	0.615	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	-	-	-	-	400
M17/193-00001	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
M17/193-00002	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
M17/194-00001	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
M17/195-00001	93	0.240	40.9	1.54	400	0.277	0.00074	2.8	-	5.8	8.0	9.5	-	-	-	-	-	-	-	135
M17/196-00001	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
M17/197-00001	50	0.195	10.9	4.11	400	0.444	0.00126	4.6	-	9.4	17.0	15.3	-	-	-	-	-	-	-	90
M17/198-00001	50	0.160	15.9	4.83	400	0.496	0.00126	5.1	-	10.4	18.0	16.9	-	-	-	-	-	-	-	62
M17/199-00001	50	0.332	3.40	1.19	400	0.250	0.00126	2.6	-	5.5	6.5	9.2	-	-	-	-	-	-	-	400
M17/200-00001	50	0.212	8.60	2.22	400	0.384	0.00126	4.0	-	8.2	11.5	13.4	-	-	-	-	-	-	-	86
M17/201-00001	77	0.137	27.00	6.61	1	0.120	0.00230	1.4	1.4	3.3	-	6.1	-	-	-	-	-	-	-	-
M17/201-00002	77	0.165	15.10	6.91	1	0.080	0.00230	1.0	1.0	2.5	-	4.8	-	-	-	-	-	-	-	-
M17/201-00003	77	0.130	27.00	6.54	1	0.120	0.00230	1.4	1.4	3.3	-	6.1	-	-	-	-	-	-	-	-
M17/202-00001	77	0.147	27.00	4.91	1	0.120	0.00230	1.4	1.4	3.3	-	6.1	-	-	-	-	-	-	-	-
M17/203-00001	77	0.161	27.00	4.91	1	0.120	0.00230	1.4	1.4	3.3	-	6.1	-	-	-	-	-	-	-	-
M17/205-00018	50	0.120	11.8	9.30	18000	0.404	0.00017	4.1	4.1	8.1	8.2	12.9	13.0	22.6	22.9	29.4	31.0	44.2	45.1	-
M17/205-00050	50	0.120	11.8	9.30	50000	0.404	0.00017	4.1	4.1	8.1	8.2	12.9	13.0	22.6	22.9	29.4	31.0	44.2	45.1	-
M17/206-00018	50	0.169	7.9	2.85	18000	0.355	0.00120	3.7	4.3	7.6	9.0	12.4	17.0	23.0	27.0	31.1	38.0	50.4	59.0	-
M17/206-00030	50	0.169	7.9	2.85	30000	0.355	0.00120	3.7	4.3	7.6	9.0	12.4	17.0	23.0	27.0	31.1	38.0	50.4	59.0	-
M17/208-00001	185	0.405	534	1.52	1000	0.342	0.00066	3.5	-	7.1	8.5	11.5	-	-	-	-	-	-	-	-
M17/209-00001	75	0.870	2.36	0.35	1000	0.071	0.00126	0.8	-	1.9	2.8	3.5	6.0	-	-	-	-	-	-	-
M17/209-00002	75	0.945	2.36	0.35	1000	0.071	0.00126	0.8	-	1.9	2.8	3.5	6.0	-	-	-	-	-	-	-
M17/210-00001	50	0.895	0.28	0.35	5600	0.074	0.00126	0.9	1.0	2.0	2.8	3.6	5.0	7.8	16.0	12.6	28.0	NA	NA	1600
M17/211-00001	72	0.405	6.1	2.47	1000	0.219	0.00136	2.3	-	4.9	15.0	8.3	-	-	-	-	-	-	-	-
M17/211-00002	72	0.475	6.1	2.47	1000	0.219	0.00136	2.3	-	4.9	15.0	8.3	-	-	-	-	-	-	-	-
M17/212-00001	50	0.895	0.28	0.30	400	0.074	0.00126	0.9	-	2.0	2.7	3.6	-	-	-	-	-	-	-	1600
M17/213-00001	50	0.405	1.71	1.20	400	0.191	0.00126	2.0	-	4.3	4.7	7.3	-	-	-	-	-	-	-	320
M17/214-00001	50	0.425	1.71	1.31	400	0.190	0.00126	2.0	-	4.3	5.5	7.3	-	-	-	-	-	-	-	400
M17/215-00001	50	0.545	0.93	0.60	400	0.127	0.00126	1.4	-	3.0	3.8	5.3	-	-	-	-	-	-	-	400
M17/216-00001	50	0.870	0.28	0.35	400	0.069	0.00126	0.8	-	1.9	2.8	3.4	-	-	-	-	-	-	-	1200
M17/217-00001	50	0.110	94.3	4.11	400	0.826	0.00126	8.4	-	17.0	25.0	27.4	-	-	-	-	-	-	-	26
M17/218-00001	125	0.405	40.9	1.20	1000	0.183	0.00075	1.9	-	4.0	5.5	6.5	-	-	-	-	-	-	-	-
M17/218-00002	125	0.475	40.9	1.20	1000	0.183	0.00075	1.9	-	4.0	5.5	6.5	-	-	-	-	-	-	-	-
M17/219-00001	50	0.096	48.7	3.02	50000	0.494	0.00120	5.1	5.2	10.4	10.5	16.8	17.0	30.7	31.0	40.9	40.0	65.0	62.0	-
M17/220-00001	50	0.195	5.40	4.90	2500	0.37753	0.00039	3.8	4.3	7.7	8.7	12.3	14.0	21.8	22.4	-	-	-	-	233
M17/220-00002	50	0.265	5.40	4.90	2500	0.37753	0.00039	3.8	4.3	7.7	8.7	12.3	14.0	21.8	22.4	-	-	-	-	233
M17/221-00001	50	0.242	3.30	3.89	2500	0.28480	0.00039	2.9	3.3	5.9	6.6	9.4	10.7	16.8	17.1	-	-	-	-	337
M17/221-00002	50	0.312	3.30	3.89	2500	0.28480	0.00039	2.9	3.3	5.9	6.6	9.4	10.7	16.8	17.1	-	-	-	-	337
M17/222-00001	50	0.300	2.14	2.21	2500	0.22580	0.00044	2.3	2.6	4.7	5.2	7.6	8.4	13.7	13.8	-	-	-	-	471
M17/222-00002	50	0.370	2.14	2.21	2500	0.22580	0.00044	2.3	2.6	4.7	5.2	7.6	8.4	13.7	13.8	-	-	-	-	471
M17/223-00001	50	0.405	1.39	1.65	2500	0.14387	0.00031	1.5	1.7	3.0	3.5	4.9	5.7	8.8	9.4	-	-	-	-	750