

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		400 MHz		1000 MHz		3000 MHz		5000 MHz		11000 MHz		M17Max Power (w) 400 MHz
			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)	
M17/2-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	-	-	-	-	-
M17/6-RG11	75	0.405	6.10	1.18	1000	0.203	0.00126	2.2	-	4.6	5.2	7.7	9.4	-	-	-	-	-	-	290
M17/6-RG12	75	0.463	6.10	1.18	1000	0.203	0.00126	2.2	-	4.6	5.2	7.7	9.4	-	-	-	-	-	-	290
M17/15-RG22	95	0.420	6.50	0.83	200	0.214	0.00126	2.3	4.0	4.8	-	8.0	-	-	-	-	-	-	-	-
M17/15-RG111	95	0.478	6.50	0.83	200	0.214	0.00126	2.3	4.0	4.8	-	8.0	-	-	-	-	-	-	-	-
M17/16-RG23	125	0.945	1.84	1.06	400	0.150	0.00126	1.6	-	3.5	5.2	6.0	-	-	-	-	-	-	-	-
M17/16-RG24	125	1.003	1.84	1.06	400	0.150	0.00126	1.6	-	3.5	5.2	6.0	-	-	-	-	-	-	-	-
M17/24-RG34	75	0.630	2.47	1.24	400	0.131	0.00126	1.4	-	3.1	3.8	5.4	-	-	-	-	-	-	-	680
M17/28-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
M17/29-RG59	75	0.242	51.3	2.57	1000	0.320	0.00126	3.3	-	6.9	9.0	11.4	16.0	-	-	-	-	-	-	130
M17/30-RG62	93	0.242	40.9	2.57	1000	0.277	0.00074	2.8	-	5.8	8.0	9.5	13.0	-	-	-	-	-	-	-
M17/31-RG63	125	0.405	40.9	1.20	400	0.183	0.00075	1.9	-	4.0	5.5	6.5	-	-	-	-	-	-	-	-
M17/31-RG79	125	0.475	40.9	1.20	400	0.183	0.00075	1.9	-	4.0	5.5	6.5	-	-	-	-	-	-	-	-
M17/45-RG108	78	0.235	9.70	5.24	10	0.325	0.00126	3.4	-	7.0	-	11.5	-	-	-	-	-	-	-	-
M17/47-RG114	185	0.405	534	1.52	400	0.342	0.00066	3.5	-	7.1	8.5	11.5	-	-	-	-	-	-	-	-
M17/52-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
M17/52-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
M17/52-00001	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
M17/54-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
M17/56-RG130	95	0.625	1.84	0.70	200	0.114	0.00126	1.3	-	2.8	8.8	4.9	-	-	-	-	-	-	-	-
M17/56-RG131	95	0.710	1.84	0.70	200	0.114	0.00126	1.3	-	2.8	8.8	4.9	-	-	-	-	-	-	-	-
M17/60-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
M17/62-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	-	-	-	-	-
M17/64-RG35	75	0.945	0.96	0.35	1000	0.071	0.00126	0.8	-	1.9	2.8	3.5	6.0	-	-	-	-	-	-	-
M17/64-RG164	75	0.870	0.96	0.35	1000	0.071	0.00126	0.8	-	1.9	2.8	3.5	6.0	-	-	-	-	-	-	-
M17/65-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
M17/65-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
M17/67-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
M17/72-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
M17/73-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
M17/74-RG213	50	0.405	1.71	1.20	1000	0.183	0.00126	2.0	2.3	4.2	4.8	7.1	9.0	-	-	-	-	-	-	320
M17/74-RG215	50	0.475	1.71	1.20	1000	0.183	0.00126	2.0	2.3	4.2	4.8	7.1	9.0	-	-	-	-	-	-	320
M17/75-RG214	50	0.425	1.71	1.31	11000	0.210	0.00126	2.2	2.6	4.7	6.8	7.3	12.0	15.3	28.0	21.2	35.0	35.9	60.0	330
M17/75-RG365	50	0.425	1.71	1.31	11000	0.210	0.00126	2.2	2.6	4.7	6.8	7.3	12.0	15.3	28.0	21.2	35.0	35.9	60.0	330
M17/77-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
M17/78-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
M17/78-00001	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
M17/79-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
M17/79-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
M17/81-00001	50	1.120	0.15	0.27	400	0.052	0.00126	0.6	-	1.5	2.3	2.9	-	-	-	-	-	-	-	-
M17/81-00002	50	1.195	0.15	0.27	400	0.052	0.00126	0.6	-	1.5	2.3	2.9	-	-	-	-	-	-	-	-
M17/84-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
M17/86-00001	50	0.430	1.54	1.31	400	0.182	0.00120	1.9	-	4.1	5.0	7.0	-	-	-	-	-	-	-	-
M17/86-00002	50	0.490	1.54	1.31	400	0.182	0.00120	1.9	-	4.1	5.0	7.0	-	-	-	-	-	-	-	-
M17/87-00001	50	0.500	0.85	0.86	400	0.140	0.00120	1.5	-	3.3	3.8	5.6	-	-	-	-	-	-	-	-
M17/90-RG71	93	0.245	40.9	1.54	1000	0.277	0.00074	2.8	-	5.8	8.0	9.5	-	-	-	-	-	-	-	-
M17/92-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
M17/92-00001	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
M17/93-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
M17/93-00001	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
M17/94-RG179	75	0.100	234	8.49	400	0.800	0.00120	8.1	-	16.5	21.0	26.5	-	-	-	-	-	-	-	-
M17/95-RG180	95	0.141	234	6.43	400	0.615	0.00120	6.3	-	12.8	17.0	20.6	-	-	-	-	-	-	-	-
M17/97-RG210	93	0.242	40.9	2.57	400	0.277	0.00074	2.8	-	5.8	8.0	9.5	-	-	-	-	-	-	-	-
M17/100-RG133	95	0.405	16.4	1.18	400	0.208	0.00126	2.2	-	4.7	5.7	7.8	-	-	-	-	-	-	-	-
M17/109-RG301	50	0.245	8.00	3.00	3000	0.335	0.00120	3.5	-	7.2	-	11.8	70.0	-	116.0	-	-	-	-	-
M17/110-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	-	-	-	-	-
M17/111-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
M17/112-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
M17/113-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
M17/116-RG307	75	0.265	0.66	1.24	400	0.3293	0.00050	2.7	-	5.4	7.5	8.7	-	-	-	-	-	-	-	-
M17/119-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
M17/126-RG391	72	0.405	6.10	2.47	400	0.219	0.00136	2.3	-	4.9	15.0	8.3	-	-	-	-	-	-	-	-
M17/126-RG392	72	0.475	6.10	2.47	400	0.219	0.00136	2.3	-	4.9	15.0	8.3	-	-	-	-	-	-	-	-

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		400 MHz		1000 MHz		3000 MHz		5000 MHz		11000 MHz		M17Max Power (w) 400 MHz
			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)	Loss (dB/100) Typical M17 (max)	Loss (dB/100) Typical M17 (max)	Loss (dB/100) Typical M17 (max)	Loss (dB/100) Typical M17 (max)			
M17/127-RG393	50	0.390	1.54	1.31	11000	.202	0.00120	2.0	2.4	4.3	5.0	7.2	8.8	14.1	18.0	19.5	24.0	33.2	37.0	1900
M17/128-RG400	50	0.195	8.6	2.22	12400	0.426	0.00120	4.4	4.5	9.0	10.5	14.7	17.0	26.9	38.0	36.1	50.0	57.9	78.0	1050
M17/129-RG401	50	0.250	2.55	0.45	18000	0.178	0.00120	1.9	-	4.0	4.5	6.8	7.5	13.3	16.0	18.6	22.0	31.9	33.0	1900
M17/129-00001	50	0.250	2.55	0.45	18000	0.178	0.00120	1.9	-	4.0	4.5	6.8	7.5	13.3	16.0	18.6	22.0	31.9	33.0	1900
M17/130-RG402	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	6.8	8.0	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0	660
M17/130-00001	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	6.8	8.0	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0	660
M17/130-00002	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0	660
M17/130-00003	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0	660
M17/130-00004	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	6.8	8.0	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0	660
M17/130-00005	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	6.8	8.0	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0	660
M17/130-00006	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0	660
M17/130-00007	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0	660
M17/130-00008	50	0.141	20.00	1.32	20000	0.336	0.00120	3.5	-	7.2	8.0	11.8	12.0	22.0	21.0	NA	29.0	48.4	45.0	660
M17/130-00009	50	0.141	20.00	1.32	20000	0.336	0.00120	3.5	-	7.2	8.0	11.8	12.0	22.0	21.0	NA	29.0	48.4	45.0	660
M17/130-00010	50	0.141	20.00	1.32	20000	0.336	0.00120	3.5	-	12.6	14.0	18.7	19.0	32.6	31.0	39.9	39.0	56.2	52.0	660
M17/130-00011	50	0.141	20.00	1.32	20000	0.336	0.00120	3.5	-	12.6	14.0	18.7	19.0	32.6	31.0	39.9	39.0	56.2	52.0	660
M17/130-00012	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	6.8	8.0	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0	660
M17/130-00013	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0	660
M17/131-RG403	50	0.116	234	4.89	10000	1.365	0.00120	13.8	13.0	27.8	29.0	44.4	50.0	78.4	94.0	102.5	120.0	156.4	150.0	95
M17/132-00001	50	0.071	234	14.42	10000	1.365	0.00200	13.9	-	28.1	33.0	45.2	NA	NA	NA	NA	NA	NA	NA	90
M17/133-RG405	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0	210
M17/133-00001	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0	210
M17/133-00002	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0	210
M17/133-00003	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0	210
M17/133-00004	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0	210
M17/133-00005	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0	210
M17/133-00006	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0	210
M17/133-00007	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0	210
M17/133-00008	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0	210
M17/133-00009	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0	210
M17/133-00010	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0	210
M17/133-00011	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0	210
M17/133-00012	50	0.0865	64.8	2.68	20000	0.606	0.00120	6.2	-	12.6	15.0	20.4	22.0	49.7	37.0	63.5	50.0	76.8	80.0	210
M17/133-00013	50	0.0865	64.8	2.68	20000	0.606	0.00120	6.2	-	12.6	15.0	20.4	22.0	49.7	37.0	63.5	50.0	76.8	80.0	210
M17/133-00014	50	0.0865	64.8	2.68	20000	0.606	0.00120	6.2	-	21.0	25.0	31.4	34.0	49.7	50.0	63.5	65.0	76.8	90.0	210

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 Resistive Dielectric		100 MHz Loss (dB/100)		400 MHz Loss (dB/100)		1000 MHz Loss (dB/100)		3000 MHz Loss (dB/100)		5000 MHz Loss (dB/100)		11000 MHz Loss (dB/100)		M17Max Power (w) 400 MHz
			Center	Outer		k1	k2	Typical	M17 (max)	Typical	M17 (max)	Typical	M17 (max)	Typical	M17 (max)	Typical	M17 (max)	Typical	M17 (max)	
M17/133-00015	50	0.0865	64.8	2.68	20000	0.606	0.00120	6.2	-	21.0	25.0	31.4	34.0	49.7	50.0	63.5	65.0	76.8	90.0	210
M17/133-00016	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0	210
M17/133-00017	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0	210
M17/134-00001	50	0.245	9.6	2.78	3000	0.402	0.00126	4.1	6.0	8.6	15.0	14.0	26.0	25.8	60.0	-	-	53.7	-	60
M17/134-00002	50	0.245	9.6	2.78	3000	0.402	0.00126	4.1	6.0	8.6	15.0	14.0	26.0	25.8	60.0	-	-	-	-	60
M17/134-00003	50	0.245	9.6	2.78	3000	0.402	0.00126	4.1	6.0	8.6	15.0	14.0	26.0	25.8	60.0	-	-	-	-	60
M17/134-00004	50	0.245	9.6	2.78	3000	0.402	0.00126	4.1	6.0	8.6	15.0	14.0	26.0	25.8	60.0	-	-	-	-	60
M17/135-00001	50	0.500	1.71	0.66	3000	0.190	0.00126	2.0	2.5	4.3	6.0	7.3	11.0	14.2	22.0	-	-	-	-	350
M17/135-00002	50	0.500	1.71	0.66	3000	0.190	0.00126	2.0	2.5	4.3	6.0	7.3	11.0	14.2	22.0	-	-	-	-	350
M17/135-00003	50	0.500	1.60	0.66	3000	0.164	0.00126	1.8	2.5	3.8	6.0	6.5	11.0	12.8	22.0	-	-	-	-	350
M17/135-00004	50	0.500	1.60	0.66	3000	0.164	0.00126	1.8	2.5	3.8	6.0	6.5	11.0	12.8	22.0	-	-	-	-	350
M17/135-00005	50	0.500	1.60	0.66	3000	0.164	0.00126	1.8	2.5	3.8	6.0	6.5	11.0	12.8	22.0	-	-	-	-	350
M17/135-00006	50	0.500	1.60	0.66	3000	0.164	0.00126	1.8	2.5	3.8	6.0	6.5	11.0	12.8	22.0	-	-	-	-	350
M17/136-00001	75	0.100	234	8.49	400	0.800	0.00120	8.1	-	16.5	15.8	26.5	-	-	-	-	-	-	-	-
M17/137-00001	95	0.141	234	6.43	400	0.615	0.00120	6.3	-	12.8	17.0	20.6	-	-	-	-	-	-	-	-
M17/138-00001	50	0.098	83.3	8.46	3000	0.787	0.00120	8.0	11.0	16.2	21.0	26.1	38.0	46.7	58.0	-	-	-	-	220
M17/139-00001	95	0.141	374	8.05	3000	0.615	0.00120	6.3	8.8	12.8	17.0	20.6	29.0	-	-	-	-	-	-	-
M17/151-00001	50	0.047	205	12.35	20000	1.014	0.00120	10.3	-	20.8	25.0	33.3	40.0	59.1	70.0	77.7	90.0	119.5	130.0	52
M17/151-00002	50	0.047	205	12.35	20000	1.014	0.00120	10.3	-	20.8	25.0	33.3	40.0	59.1	70.0	77.7	90.0	119.5	130.0	52
M17/152-00001	50	0.114	83.3	3.93	12400	0.787	0.00120	8.0	11.5	16.2	24.0	26.1	40.0	46.7	75.0	61.6	110.0	95.7	170.0	210
M17/153-00001	50	0.114	94.3	3.93	12400	0.787	0.00126	8.0	11.0	16.2	23.0	26.1	40.0	46.9	75.0	61.9	110.0	96.4	170.0	26
M17/154-00001	50	0.034	409	21.60	20000	1.444	0.00120	14.6	-	29.4	37.0	46.9	60.0	82.7	100.0	108.1	140.0	164.6	190.0	16
M17/154-00002	50	0.034	409	21.60	20000	1.444	0.00120	14.6	-	29.4	37.0	46.9	60.0	82.7	100.0	108.1	140.0	164.6	190.0	16
M17/155-00001	50	0.195	10.9	4.11	400	0.444	0.00126	4.6	-	9.4	17.0	15.3	-	-	-	-	-	-	-	90
M17/156-00001	50	0.465	1.01	0.94	400	0.131	0.00120	1.4	-	3.1	4.5	5.3	-	-	-	-	-	-	-	2600
M17/157-00001	50	0.160	15.9	4.11	400	0.498	0.00126	5.1	-	10.5	18.0	17.0	-	-	-	-	-	-	-	62
M17/158-00001	50	0.195	19.1	2.22	400	0.368	0.00120	3.8	-	7.8	9.5	12.8	-	-	-	-	-	-	-	NA
M17/159-00001	50	0.410	1.51	2.82	400	0.182	0.00120	1.9	-	4.1	4.6	7.0	-	-	-	-	-	-	-	2700
M17/160-00001	50	0.895	0.28	0.30	400	0.074	0.00126	0.9	-	2.0	2.7	3.6	-	-	-	-	-	-	-	1600
M17/161-00001	50	0.730	0.28	0.46	400	0.072	0.00120	0.8	-	1.9	2.0	3.5	-	-	-	-	-	-	-	11000
M17/161-00002	50	0.795	0.28	0.46	400	0.072	0.00120	0.8	-	1.9	2.0	3.5	-	-	-	-	-	-	-	11000
M17/162-00001	50	0.332	3.40	1.07	400	0.250	0.00126	2.6	-	5.5	6.5	9.2	-	-	-	-	-	-	-	400
M17/163-00001	50	0.405	1.71	1.20	400	0.183	0.00126	2.0	-	4.2	4.7	7.1	-	-	-	-	-	-	-	NA
M17/164-00001	50	0.425	1.71	1.31	400	0.210	0.00126	2.2	-	4.7	5.5	7.9	-	-	-	-	-	-	-	400
M17/164-00002	50	0.425	1.71	1.31	400	0.210	0.00126	2.2	-	4.7	5.5	7.9	-	-	-	-	-	-	-	400
M17/165-00001	50	0.615	0.93	0.60	400	0.127	0.00126	1.4	-	3.0	3.8	5.3	-	-	-	-	-	-	-	400
M17/165-00002	50	0.545	0.93	0.60	400	0.127	0.00126	1.4	-	3.0	3.8	5.3	-	-	-	-	-	-	-	400
M17/166-00001	50	0.870	0.28	0.35	400	0.069	0.00126	0.8	-	1.9	2.75	3.4	-	-	-	-	-	-	-	1200
M17/167-00001	50	0.212	8.60	2.22	400	0.384	0.00126	4.0	-	8.2	11.5	13.4	-	-	-	-	-	-	-	86
M17/168-00001	50	0.415	1.91	1.34	400	0.203	0.00120	2.2	-	4.5	5.2	7.6	-	-	-	-	-	-	-	2600
M17/168-00002	50	0.344	1.91	1.34	400	0.203	0.00120	2.2	-	4.5	5.2	7.6	-	-	-	-	-	-	-	2600
M17/169-00001	50	0.071	234	14.42	400	1.365	0.00120	13.8	-	27.8	29.0	44.4	-	-	-	-	-	-	-	110
M17/170-00001	50	0.170	19.1	4.17	400	0.368	0.00120	3.8	-	7.8	8.6	12.8	-	-	-	-	-	-	-	1100
M17/171-00001	50	0.280	7.50	1.19	400	0.241	0.00120	2.5	-	5.3	6.4	8.8	-	-	-	-	-	-	-	1450
M17/172-00001	50	0.098	83.3	8.46	400	0.787	0.00120	8.0	-	16.2	21.0	26.1	-	-	-	-	-	-	-	220
M17/173-00001	50	0.110	94.3	10.93	400	0.826	0.00126	8.4	-	17.0	25.0	27.4	-	-	-	-	-	-	-	26
M17/174-00001	50	0.390	1.54	1.31	400	0.191	0.00120	2.0	-	4.3	5.0	7.2	-	-	-	-	-	-	-	1900
M17/175-00001	50	0.195	8.60	2.22	400	0.426	0.00120	4.4	-	9.0	10.5	14.7	-	-	-	-	-	-	-	1050
M17/176-00002	77	0.129	275	14.50	10	0.550	0.00120	0.6	1.4	NA	-	NA	-	-	-	-	-	-	-	-
M17/176-00003	77	0.125	275	14.50	10	0.550	0.00230	0.6	1.4	NA	-	NA	-	-	-	-	-	-	-	-
M17/177-00001	95	0.184	234	3.27	400	0.615	0.00120	6.3	-	12.8	17.0	20.6	-	-	-	-	-	-	-	-
M17/178-00001	95	0.270	234	1.85	400	0.615	0.00120	6.3	-	12.8	17.0	20.6	-	-	-	-	-	-	-	-
M17/179-00001	75	0.195	234	2.79	400	0.800	0.00120	8.1	-	16.5	21.0	26.5	-	-	-	-	-	-	-	-
M17/180-00001	75	0.332	32.2	1.05	3000	0.256	0.00126	2.7	-	5.6	6.5	9.4	-	17.8	23.0	-	-	-	-	-
M17/181-00001	75	0.405	6.10	1.18	1000	0.203	0.00126	2.2	-	4.6	5.2	7.7	-	-	-	-	-	-	-	-
M17/181-00002	75	0.475	6.10	1.18	1000	0.203	0.00126	2.2	-	4.6	5.2	7.7	9.4	-	-	-	-	-	-	-
M17/182-00001	95	0.420	6.50	0.83	200	0.214	0.00126	2.3	4.0	4.8	6.0	8.0	-	-	-	-	-	-	-	-
M17/182-00002	95	0.490	6.50	0.83	200	0.214	0.00126	2.3	4.0	4.8	-	8.0	-	-	-	-	-	-	-	-

MIL-C-17 Attenuation and Power Handling

M17 Part Number	Zo (ohms)	Overall DC Resist. (ohms/1000 ft)		M17 Max Freq. (MHz)	Loss Constants		100 MHz		400 MHz		1000 MHz		3000 MHz		5000 MHz		11000 MHz		M17Max Power (w)		
		Diam. (in.)	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)	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	0.183	0.00126	2.0	2.3	4.2	4.8	7.1	9.0	-	-	-	-	-	-	320	
M17/189-00002	50	0.475	1.71	1.20	1000	0.183	0.00126	2.0	2.3	4.2	4.8	7.1	9.0	-	-	-	-	-	-	320	
M17/190-00001	50	0.425	1.71	1.31	11000	0.210	0.00126	2.2	2.6	4.7	6.8	7.9	12.0	15.3	28.0	21.2	35.0	35.9	60	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	0.183	0.00126	2.0	-	4.2	4.7	7.1	-	-	-	-	-	-	-	320	
M17/214-00001	50	0.425	1.71	1.31	400	0.210	0.00126	2.2	-	4.7	5.5	7.9	-	-	-	-	-	-	-	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	

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 Resistive Dielectric		100 MHz Loss (dB/100)		400 MHz Loss (dB/100)		1000 MHz Loss (dB/100)		3000 MHz Loss (dB/100)		5000 MHz Loss (dB/100)		11000 MHz Loss (dB/100)		M17Max Power (w) 400 MHz
			Center	Outer		k1	k2	Typical	M17 (max)	Typical	M17 (max)	Typical	M17 (max)	Typical	M17 (max)	Typical	M17 (max)	Typical	M17 (max)	
M17/223-00002	50	0.475	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
M17/224-00001	50	0.500	0.81	1.27	2500	0.11364	0.00031	1.2	1.4	2.4	2.8	3.9	4.6	7.1	7.6	-	-	-	-	987
M17/224-00002	50	0.570	0.81	1.27	2500	0.11364	0.00031	1.2	1.4	2.4	2.8	3.9	4.6	7.1	7.6	-	-	-	-	987
M17/225-00001	50	0.590	.524	1.20	2500	0.08888	0.00031	0.9	1.1	1.9	2.2	3.1	3.7	5.8	6.1	-	-	-	-	1219
M17/225-00002	50	0.665	.524	1.20	2500	0.08888	0.00031	0.9	1.1	1.9	2.2	3.1	3.7	5.8	6.1	-	-	-	-	1219
M17/226-00001	50	0.870	.541	0.55	2500	0.06091	0.00019	0.6	0.7	1.3	1.4	2.1	2.4	3.9	3.9	-	-	-	-	1979
M17/226-00002	50	0.945	.541	0.55	2500	0.06091	0.00019	0.6	0.7	1.3	1.4	2.1	2.4	3.9	3.9	-	-	-	-	1979
M17/227-00001	50	1.200	.323	0.37	2500	0.04396	0.00019	0.5	0.5	1.0	1.1	1.6	1.8	3.0	3.1	-	-	-	-	2768
M17/227-00002	50	1.300	.323	0.37	2500	0.04396	0.00019	0.5	0.5	1.0	1.1	1.6	1.8	3.0	3.1	-	-	-	-	2768
M17/228-00001	50	1.670	.209	0.27	2500	0.03113	0.00019	0.3	0.4	0.7	0.9	1.2	1.4	2.3	2.6	-	-	-	-	3950
M17/228-00002	50	1.770	.209	0.27	2500	0.03113	0.00019	0.3	0.4	0.7	0.9	1.2	1.4	2.3	2.6	-	-	-	-	3950

Notes:

Attenuation (typical) at any Frequency = $k1 \times \text{SqRt}(\text{Fmhz}) + k2(\text{Fmhz})$

BC shielded cables used up to 1 GHz maximum due to braid oxidation over time.

TC shielded cables used up to 1 GHz maximum due to high loss of Tin Plating.

SPC shielded cables may be used up to their Cutoff Frequency.

Maximum Frequency listed in Table is as specified by MIL-C-17.

Cutoff frequency may be higher than M17 max frequency.

Power Data Given for 50 ohm Cables Only.

Power Data for SPC/PTFE based on +250C center conductor.

Power Data for PE dielectrics based on +80C center conductor.

Power Data for foam PE dielectrics based on +100C center conductor.

DC resistance of outer conductor includes all shield layers in parallel.

Consult Factory for not listed.