MIL-C-17 Attenuation and Power Handling

M17 Part Number	Zo (ohms)	Overall Diam. (in.)	DC Resist. (ohms/1000 ft) Center	DC Resist. (ohms/1000 ft) Outer	M17 Max Freq. (MHz)	Loss Constants Resistive k1	Loss Constants Dielectric k2	100 MHz Loss (dB/100) Typical	100 MHz Loss (dB/100) M17 (max)	400 MHz Loss (dB/100) Typical	400 MHz Loss (dB/100) M17 (max)	1000 MHz Loss (dB/100) Typical	1000 MHz Loss (dB/100) M17 (max)	3000 MHz Loss (dB/100) Typical	3000 MHz Loss (dB/100) M17 (max)	5000 MHz Loss (dB/100) Typical	5000 MHz Loss (dB/100) M17 (max)	11000 MHz Loss (dB/100) Typical	11000 MHz Loss (dB/100) M17 (max)	M17 Max Power (kw) 400 MHz
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	0.191	0.00126	2.0	2.3	4.3	4.8	7.3	9.0	-	-	-	-	-	-	320
M17/74-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
M17/75-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
M17/75-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
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 @12.4 GHz	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 @12.4 GHz	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	0.260	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) Center	DC Resist. (ohms/1000 ft) Outer	M17 Max Freq. (MHz)	Loss Constants Resistive k1	Loss Constants Dielectric k2	100 MHz Loss (dB/100) Typical	100 MHz Loss (dB/100) M17 (max)	400 MHz Loss (dB/100) Typical	400 MHz Loss (dB/100) M17 (max)	1000 MHz Loss (dB/100) Typical	1000 MHz Loss (dB/100) M17 (max)	3000 MHz Loss (dB/100) Typical	3000 MHz Loss (dB/100) M17 (max)	5000 MHz Loss (dB/100) Typical	5000 MHz Loss (dB/100) M17 (max)	11000 MHz Loss (dB/100) Typical	11000 MHz Loss (dB/100) M17 (max)	M17 Max Power (kw) 400 MHz
M17/127-RG393	50	0.390	1.54	1.31	11000	0.191	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 @500 MHz	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0 @10 MHz	660
M17/130-00001	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	6.8	8.0 @500 MHz	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0 @10 MHz	660
M17/130-00002	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0 @500 MHz	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0 @10 MHz	660
M17/130-00003	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0 @500 MHz	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0 @10 MHz	660
M17/130-00004	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	6.8	8.0 @500 MHz	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0 @10 MHz	660
M17/130-00005	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	6.8	8.0 @500 MHz	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0 @10 MHz	660
M17/130-00006	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0 @500 MHz	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0 @10 MHz	660
M17/130-00007	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0 @500 MHz	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0 @10 MHz	660
M17/130-00008	50	0.141	20.00	1.32	20000	0.336	0.00120	3.5	-	7.2	8.0 @500 MHz	11.8	12.0	22.0	21.0	NA	29.0	48.4	45.0 @10 MHz	660
M17/130-00009	50	0.141	20.00	1.32	20000	0.336	0.00120	3.5	-	7.2	8.0 @500 MHz	11.8	12.0	22.0	21.0	NA	29.0	48.4	45.0 @10 MHz	660
M17/130-00010	50	0.141	20.00	1.32	20000	0.336	0.00120	3.5	-	12.6	14.0 @500 MHz	18.7	19.0	32.6	31.0	39.9	39.0	56.2	52.0 @10 MHz	660
M17/130-00011	50	0.141	20.00	1.32	20000	0.336	0.00120	3.5	-	12.6	14.0 @500 MHz	18.7	19.0	32.6	31.0	39.9	39.0	56.2	52.0 @10 MHz	660
M17/130-00012	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	6.8	8.0 @500 MHz	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0 @10 MHz	660
M17/130-00013	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0 @500 MHz	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0 @10 MHz	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 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00001	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00002	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00003	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00004	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0 @500 MHz	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0 @10 MHz	210
M17/133-00005	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0 @500 MHz	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0 @10 MHz	210
M17/133-00006	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00007	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00008	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00009	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00010	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0 @500 MHz	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0 @10 MHz	210
M17/133-00011	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0 @500 MHz	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0 @10 MHz	210
M17/133-00012	50	0.0865	64.8	2.68	20000	0.606	0.00120	6.2	-	12.6	15.0 @500 MHz	20.4	22.0	49.7	37.0	63.5	50.0	76.8	80.0 @10 MHz	210
M17/133-00013	50	0.0865	64.8	2.68	20000	0.606	0.00120	6.2	-	12.6	15.0 @500 MHz	20.4	22.0	49.7	37.0	63.5	50.0	76.8	80.0 @10 MHz	210
M17/133-00014	50	0.0865	64.8	2.68	20000	0.606	0.00120	6.2	-	21.0	25.0 @500 MHz	31.4	34.0	49.7	50.0	63.5	65.0	76.8	90.0 @10 MHz	210

MIL-C-17 Attenuation and Power Handling

M17 Part Number	Zo (ohms)	Overall Diam. (in.)	DC Resist. (ohms/1000 ft) Center	DC Resist. (ohms/1000 ft) Outer	M17 Max Freq. (MHz)	Loss Constants Resistive k1	Loss Constants Dielectric k2	100 MHz Loss (dB/100) Typical	100 MHz Loss (dB/100) M17 (max)	400 MHz Loss (dB/100) Typical	400 MHz Loss (dB/100) M17 (max)	1000 MHz Loss (dB/100) Typical	1000 MHz Loss (dB/100) M17 (max)	3000 MHz Loss (dB/100) Typical	3000 MHz Loss (dB/100) M17 (max)	5000 MHz Loss (dB/100) Typical	5000 MHz Loss (dB/100) M17 (max)	11000 MHz Loss (dB/100) Typical	11000 MHz Loss (dB/100) M17 (max)	M17 Max Power (kw) 400 MHz
M17/133-00015	50	0.0865	64.8	2.68	20000	0.606	0.00120	6.2	-	21.0	25.0 @500 MHz	31.4	34.0	49.7	50.0	63.5	65.0	76.8	90.0 @10 MHz	210
M17/133-00016	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00017	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0 @500 MHz	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0 @10 MHz	210
M17/134-00001	50	0.245	9.6	2.78	3000	0.380	0.00126	3.9	6.0	8.1	15.0	13.3	26.0	24.6	60.0	-	-	53.7	-	60
M17/134-00002	50	0.245	9.6	2.78	3000	0.380	0.00126	3.9	6.0	8.1	15.0	13.3	26.0	24.6	60.0	-	-	-	-	60
M17/134-00003	50	0.245	9.6	2.78	3000	0.380	0.00126	3.9	6.0	8.1	15.0	13.3	26.0	24.6	60.0	-	-	-	-	60
M17/134-00004	50	0.245	9.6	2.78	3000	0.380	0.00126	3.9	6.0	8.1	15.0	13.3	26.0	24.6	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	0.190	0.00126	2.0	2.5	4.3	6.0	7.3	11.0	14.2	22.0	-	-	-	-	350
M17/135-00004	50	0.500	1.60	0.66	3000	0.190	0.00126	2.0	2.5	4.3	6.0	7.3	11.0	14.2	22.0	-	-	-	-	350
M17/135-00005	50	0.500	1.60	0.66	3000	0.190	0.00126	2.0	2.5	4.3	6.0	7.3	11.0	14.2	22.0	-	-	-	-	350
M17/135-00006	50	0.500	1.60	0.66	3000	0.190	0.00126	2.0	2.5	4.3	6.0	7.3	11.0	14.2	22.0	-	-	-	-	350
M17/136-00001	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	0.191	0.00126	2.0	-	4.3	4.7	7.3	-	-	-	-	-	-	-	NA
M17/164-00001	50	0.425	1.71	1.31	400	0.190	0.00126	2.0	-	4.3	5.5	7.3	-	-	-	-	-	-	-	400
M17/164-00002	50	0.425	1.71	1.31	400	0.190	0.00126	2.0	-	4.3	5.5	7.3	-	-	-	-	-	-	-	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 @1 MHz	NA	-	NA	-	-	-	-	-	-	-	-
M17/176-00003	77	0.125	275	14.50	10	0.550	0.00230	0.6	1.4 @1 MHz	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 @200MHz	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 Diam. (in.)	DC Resist. (ohms/1000 ft) Center	DC Resist. (ohms/1000 ft) Outer	M17 Max Freq. (MHz)	Loss Constants Resistive k1	Loss Constants Dielectric k2	100 MHz Loss (dB/100) Typical	100 MHz Loss (dB/100) M17 (max)	400 MHz Loss (dB/100) Typical	400 MHz Loss (dB/100) M17 (max)	1000 MHz Loss (dB/100) Typical	1000 MHz Loss (dB/100) M17 (max)	3000 MHz Loss (dB/100) Typical	3000 MHz Loss (dB/100) M17 (max)	5000 MHz Loss (dB/100) Typical	5000 MHz Loss (dB/100) M17 (max)	11000 MHz Loss (dB/100) Typical	11000 MHz Loss (dB/100) M17 (max)	M17 Max Power (kw) 400 MHz
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 @ 1 MHz	3.3	-	6.1	-	-	-	-	-	-	-	-
M17/201-00002	77	0.165	15.10	6.91	1	0.080	0.00230	1.0	1.0 @ 1 MHz	2.5	-	4.8	-	-	-	-	-	-	-	-
M17/201-00003	77	0.130	27.00	6.54	1	0.120	0.00230	1.4	1.4 @ 1 MHz	3.3	-	6.1	-	-	-	-	-	-	-	-
M17/202-00001	77	0.147	27.00	4.91	1	0.120	0.00230	1.4	1.4 @ 1 MHz	3.3	-	6.1	-	-	-	-	-	-	-	-
M17/203-00001	77	0.161	27.00	4.91	1	0.120	0.00230	1.4	1.4 @ 1 MHz	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 @5.6 MHz	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 @2.5 MHz	-	-	-	-	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 @2.5 MHz	-	-	-	-	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 @ 2.5 MHz	-	-	-	-	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 @2.5 MHz	-	-	-	-	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 @ 2.5 MHz	-	-	-	-	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 @2.5 MHz	-	-	-	-	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 @2.5 MHz	-	-	-	-	750

MIL-C-17 Attenuation and Power Handling

M17 Part Number	Zo (ohms)	Overall Diam. (in.)	DC Resist. (ohms/1000 ft) Center	DC Resist. (ohms/1000 ft) Outer	M17 Max Freq. (MHz)	Loss Constants Resistive k1	Loss Constants Dielectric k2	100 MHz Loss (dB/100) Typical	100 MHz Loss (dB/100) M17 (max)	400 MHz Loss (dB/100) Typical	400 MHz Loss (dB/100) M17 (max)	1000 MHz Loss (dB/100) Typical	1000 MHz Loss (dB/100) M17 (max)	3000 MHz Loss (dB/100) Typical	3000 MHz Loss (dB/100) M17 (max)	5000 MHz Loss (dB/100) Typical	5000 MHz Loss (dB/100) M17 (max)	11000 MHz Loss (dB/100) Typical	11000 MHz Loss (dB/100) M17 (max)	M17 Max Power (kw) 400 MHz
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 @2.5 MHz	-	-	-	-	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 @2.5 MHz	-	-	-	-	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 @2.5 MHz	-	-	-	-	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 @2.5 MHz	-	-	-	-	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 @2.5 MHz	-	-	-	-	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 @2.5 MHz	-	-	-	-	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 @2.5 MHz	-	-	-	-	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 @2.5 MHz	-	-	-	-	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 @2.5 MHz	-	-	-	-	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 @2.5 MHz	-	-	-	-	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 @2.5 MHz	-	-	-	-	3950

Notes:
Attenuation (typical) at any Frequency = k1 x SqRt (Fmhz) + k2 (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.