

## 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		400MHz		1000 MHz		3000 MHz		5000MHz		11000MHz		M17 Max Power (w) 400MHz
			Center	Outer		k1	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)	
M17/133-00015	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	0.380	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	NA	-	NA	-	-	-	-	-	-	-	-
M17/176-00003	77	0.125	275	14.50	10	0.550	0.00230	0.6	@1 MHz	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	-	-	-	-	-	-	-	-