

M7 SUBWOOFER SPECS

	UNITS	M71024 1Ω	M71012 2Ω	M71212 1Ω	M71212 2Ω	M71512 1Ω	M71512 2Ω
THIESE SMALL PARAMETERS							
Resonant Frequency (fs)	Hz	35	35	33	33	28	28
Mechanical Q (Qms)		5.89	5.8	7.22	7.16	7.22	7.16
Electrical Q (Qes)		0.55	0.46	0.64	0.54	0.83	0.7
Total Q (Qts)		0.503	0.426	0.588	0.502	0.74	0.638
Sensitivity	dB	83.1	83.9	84.5	85.3	86.1	86.8
Xmax Linear	in.	0.6	0.6	0.6	0.6	0.6	0.6
Displacement	cf.	0.2	0.2	0.3	0.3	0.5	0.5
Air volume of suspension (Vas)	cf.	0.625	0.631	1.219	1.219	3.6	3.617
Moving Mass (Mms)	g	195.6	195.6	227.2	227.2	344.7	344.7
Suspension Compliance (Cms)	mmN	0.107	0.108	0.102	0.102	0.095	0.095
Effective piston area (Sd)	SqCm	343.23	343.23	490.84	490.84	879.13	876.13
Motor Strength (Bl)	TM	8.84	13.27	8.56	12.83	8.67	13.07
VOICE COIL & MAGNET							
Impedance	ohms	1	2	1	2	1	2
DCR	ohms	1	1.92	1	1.9	1	1.98
Voice coil diameter	in.	2.5	2.5	2.5	2.5	2.5	2.5
RMS Power	Watts	750	750	750	750	750	750
Peak Power	Watts	1500	1500	1500	1500	1500	1500
Magnet weight	oz	120	120	120	120	120	120
Magnet diameter	in.	6.7	6.7	6.7	6.7	6.7	6.7
PHYSICAL DIMENSIONS							
Mounting depth	in.	6.87	6.87	7.48	7.48	8.385	8.385
Cutout Diameter	in.	9.25	9.25	10.79	10.79	14.05	14.05
Frame Outside Diameter	in.	10.9	10.9	12.77	12.77	15.75	15.75
ENCLOSURE RECOMMENDATIONS *GROSS VOLUME							
Single Sub Sealed	cf.	0.7	0.7	1.5	1.5	2.6	2.6
Dual Subs Sealed	cf.	1.3	1.3	2.7	2.7	5	5
Single Sub Vented	cf.	1.6	1.6	2.5	2.5	4.4	4.4
Port Dimensions	in.	4" x 3" x 20"L	4" x 3" x 20"L	5" x 5" x 27"L	5" x 5" x 27"L	7" x 6" x 28"L	7" x 6" x 28"L
Tuning Frequency	Hz	37	37	36	36	34	34
Dual Sub Vented	cf.	2.8	2.8	4.6	4.6	8.5	8.5
Port Dimensions	in.	5" x 5" x 22"L	5" x 5" x 22"L	7" x 6" x 23"L	7" x 6" x 23"L	9" x 9" x 22"L	9" x 9" x 22"L
Tuning Frequency	Hz	37	37	36	36	34	34