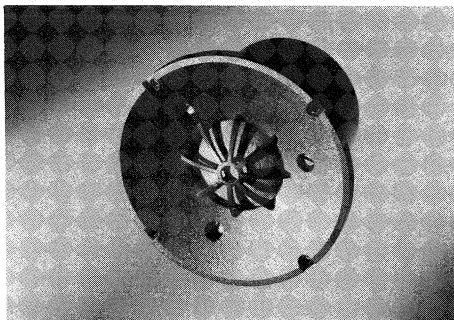


loudspeakers

high power—high-fidelity

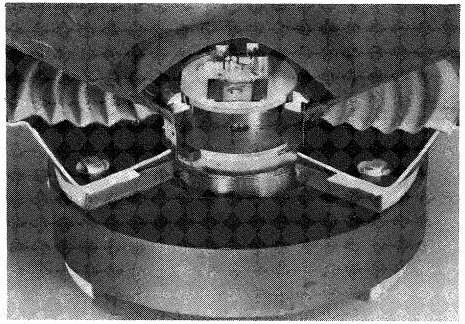
to DIN 45 500



System powers tabulated below are for complete two or three-way systems making use of the listed loudspeakers; corresponding cross-over networks and recommended enclosure volumes are listed on page 383.

AD0210/Sq.

type	status	system	impedance	resonance	rated	overall	baffle	total	surround	magnet	mass
		power	Ω	frequency	frequency	dia.	hole	depth	/dome	system	kg
		W		Hz	range	mm	dia.	mm	material		
					Hz		mm				
Tweeter 1" (dome)											
AD0140/T4	D	20/40	4	1200	2000–	94	75	25	poly-	FXD	0,25
T8			8		22000				carb.		
AD0141/T4	N	20/50	4	1450	2000–	94	75	25	textile	FXD	0,25
T8			8		20000						
AD0160/T4	C	20/40	4	1000	2000–	94	75	32	poly-	FXD	0,5
T8			8		22000				carb.		
AD0161/T8	C	20/80	8	1000	2000–	94	75	32	poly-	FXD	0,5
T15			15		22000				carb.		
AD0162/T8	D	20/80	8	1000	2000–	94	75	32	poly-	FXD	0,5
T15			15		22000				carb.		
AD0163/T8	N	20/80	8	1300	2000–	94	75	32	textile	FXD	0,5
T15			15		20000						
Tweeter 2" (cone)											
AD2090/T4	D	20	4	1300	2500–	51	44	29	paper	Ticonal	0,1
T8			8		19000						
T15			15								
AD2095/T4	N	20/40	4	1400	3000–	51	44	28	paper	Ticonal	0,07
T8			8		19000						
T15			15								
AD2290/T4	D	20	4	1300	2500–	51	44	29	paper	Ticonal	0,1
T8			8		19000						
T15			15								
AD2295/T4	N	20/40	4	1400	3000–	51	44	28	paper	Ticonal	0,07
T8			8		19000						
T15			15								
Tweeter 2 1/4" (cone)											
AD2071/T4	D	10	4	1000	1500–	58	52	29	paper	FXD	0,07
T8			8		18000						
AD2271/T4	D	10	4	1000	1000–	58	52	29	paper	FXD	0,07
T8			8		18000						
Squawker 2"											
AD0210/Sq4	D	60	4	270	500–	134	110	108	paper	FXD	1,0
Sq8			8		5000						
AD0211/Sq4	N	60	4	270	500–	134	110	108	textile	FXD	1,0
Sq8			8		5000						
Squawker 5"											
AD5060/Sq4	D	40	4	210	400–	129	96	107	textile	FXD	0,8
Sq8			8		5000						
AD5061/Sq4	D	80	4	680	1500–	129	95	50	textile	FXD	0,8
Sq8			8		5000						



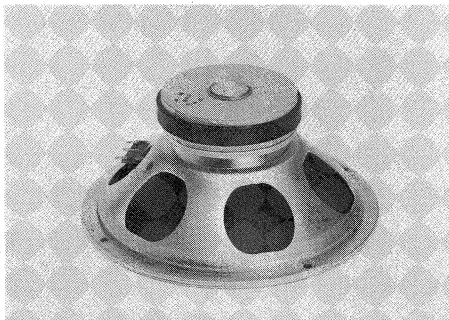
Cut-away view of high-fidelity woofer AD8067.

type	status	system	impe-	resonance	rated	overall	baffle	total	surround	magnet	mass
		power	dance	frequency	frequency						
		W	Ω	Hz	Hz	mm	mm	mm	material		
Woofer 4" AD4050/W4 W8	N	15	4 8	60	50– 5000	100	95	55	rubber	Ticonal	0,42
Woofer 5" AD5060/W4 W8	D	10	4 8	60	50– 5000	129	108	56	rubber	FXD	0,7
Woofer 7" AD7060/W4 W8	N	30	4 8	45	60– 3000	166	141	68	rubber	FXD	0,7
AD7066/W4 W8	D	40	4 8	45	60– 3000	166	141	72	rubber	FXD	1,15
Woofer 8" AD8061/W4 W8	D	40	4 8	42	30– 5000	205	176	84	rubber	FXD	0,8
AD8066/W4 W8	D	50	4 8	39	30– 5000	205	176	84	rubber	FXD	1,15
AD8067/W4 W3	D	60	4 8	32	30– 6000	205	180	88	rubber	FXD	1,3
AD8067/MFB		50	4	37	25– 1000						
Woofer 10" AD1065/W4 W8	D	30	4 8	20	40– 3000	261	227	113	rubber	FXD	1,8
AD10100/W4 W8	D	40	4 8	25	35– 800	261	227	131	rubber	FXD	3,0
Woofer 12" AD1265/W4 W8	D	30	4 8	20	40– 3000	315	278	134	rubber	FXD	1,8
AD12100/W4 W8	D	40	4 8	19	30– 700	315	278	152	rubber	FXD	3,2
AD12100/MFB		50	4	26	20– 1500						

loudspeakers

high power—full-range

double cone



9710/M8

type	status	system power W	impedance Ω	resonance frequency Hz	rated frequency range Hz	overall dia. mm	baffle hole dia. mm	total depth mm	surround material	magnet system	mass kg
5"											
AD5061/M4 M8	D	15	4 8	85	75— 20000	129	108	55	textile	FXD	0,665
7"											
AD7062/M4 M8	D	30	4 8	45	40— 18000	166	141	68	rubber	FXD	0,68
AD7063/M4 M8	D	15	4 8	55	40— 18000	166	141	69	textile	FXD	0,745
8½"											
9710/M8	D	20	8	50	45— 19000	217	195	96	paper	FXD	1,75
10"											
AD1065/M4 M8 M15	D	10	4 8 15	55	60— 18000	261	227	113	paper	FXD	1,52
12"											
AD1265/M4 M8 M15	D	20	4 8 15	45	35— 18000	315	278	134	paper	FXD	1,8
AD12100/M4 M8 M15	D	25	4 8 15	45	35— 13000	315	278	152	paper	FXD	3,3
AD12100/HP4 HP8	D	50	4 8	60	45— 12000	315	278	152	textile	FXD	3,27

The 8½ inch type 9710/M8 unit, with a Ferroxdure magnet of 105 mm diameter (mass 400 g), is an extremely sensitive speaker which has, over a number of years, become the most popular type for hi-fi hobbyists. It features an exceptionally smooth response in the range 45 Hz to 19 kHz. Power handling capacity of the 9710/M8 is 20 W in a sealed enclosure up to 30 litres in volume, and up to 10 W in bass-reflex enclosures of over 30 litres.

cross-over networks passive radiator

Cross-over networks

system	type	status	catalogue no.	max power W	impedance Ω	cross-over frequency Hz	slope dB/oct	dimensions mm	overall height mm
2-way	ADF2400/4 8	D	3104 207 10110 10100	20	4 8	2400	low 6 high 6	100 x 70	45
2-way	ADF2000/4 8	D	3104 207 10130 10120	20	4 8	2000	low 6 high 12	100 x 70	45
3-way	ADF600-5000/4 8	D	3104 207 10150 10140	40	4 8	600– 5000	low 6 mid 6 high 12	105 x 100	45

Recommended combinations

enclosure volume litres	cross-over network	power handling capacity W	woofer	squawker	tweeter
3	ADF2400/4 (8)	10	AD5060/W4 (8)	—	AD2071/T4 (8)
3		10	AD5060/W4 (8)	—	AD0140/T4 (8)
7	ADF2000/4 (8)	20	AD7066/W4 (8)	—	AD0140/T4 (8)
20		20	AD8061/W4 (8)	—	AD0140/T4 (8)
20		20	AD8066/W4 (8)	—	AD0140/T4 (8)
25		40	AD8061/W4 (8)	AD5060/Sq4 (8)	AD0140/T4 (8)
25		40	AD8066/W4 (8)	AD5060/Sq4 (8)	AD0140/T4 (8)
35	ADF600-5000/4 (8)	40	AD10100/W4 (8)	AD5060/Sq4 (8)	AD0140/T4 (8)
40		40	AD10100/W4 (8)	2 x AD5060/Sq4 (8)	2 x AD0140/T4 (8)
50		40	AD1265/W4 (8)	2 x AD5060/Sq4 (8)	2 x AD0140/T4 (8)
80		40	AD12100/W4 (8)	4 x AD5060/Sq4 (8)	4 x AD0140/T4 (8)

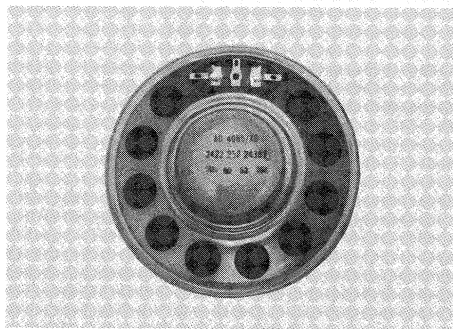
Passive radiator 8" – AD8000

2404 258 48201	effective cone area	$2,5 \times 10^{-2} \text{ m}^2$
	total moving mass	31,3 g
	total mass	0,235 kg
	total depth	64 mm
	baffle hole diameter	180 mm
	overall diameter	205 mm
	surround material	rubber

loudspeakers

medium power—full-range

round



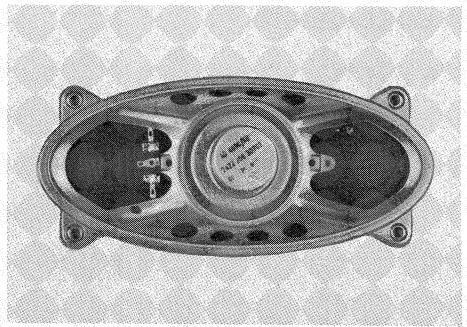
type	status	max power	impedance	resonance frequency	rated frequency range	overall dia.	baffle hole dia.	total depth	surround material	magnet system	mass
											W
4"											
AD4080/X4			4								
X8	D	3	8	165	165—	105	96	39	paper	FXD	0,25
X15			15		12000						
X25			25								
AD4480/X4			4								
X8	D	3	8	165	125—	105	96	39	paper	FXD	0,25
X15			15		12000						
AD4481/X4	D	6	4	140	90—	105	96	39	textile	FXD	0,25
AD4085/X4			4		14000						
X8	D	3	8	150	100—	104	96	36	paper	FXD	0,16
			8		13000						
5"											
AD5081/M4			4								
M8	D	6	8	130	100—	120	108	49	paper	FXD	0,26
M15			15		18000						
M25			25								
AD5081/X4			4								
X8	D	6	8	140	100—	120	108	49	paper	FXD	0,26
X15			15		11000						
X25			25								
7"											
AD7080/M4			4								
M8	D	6	8	105	80—	166	141	58	paper	FXD	0,29
M15			15		18000						
X4			4								
X8	6		8	115	85—	166	141	58	paper	FXD	0,29
			8		10000						
AD7091/M4			4								
M8	D	3	8	105	80—	166	141	44	paper	Ticonal	0,22
M400			400		18000						
M800			800								
AD7091/X4			4								
X8	D	3	8	115	85—	166	141	44	paper	Ticonal	0,22
X800			800		10000						
8"											
AD8080/M4			4								
M8	D	6	8	75	55—	206	176	68	paper	FXD	0,37
M15			15		18000						
AD8080/X4			4								
X8	D	6	8	95	70—	206	176	68	paper	FXD	0,37
			8		10000						
AD8081/M4			4								
M8	D	8	8	75	55—	206	176	68	paper	FXD	0,37
			8		19000						
AD8081/X4			4								
X8	D	8	8	95	70—	206	176	68	paper	FXD	0,37
			8		11000						

loudspeakers

medium power—full-range

oval

type	status	max power W	impedance Ω	resonance frequency Hz	rated frequency range Hz	overall size mm	baffle hole size mm	total depth mm	surround material	magnet system	mass kg
3" x 5"											
AD3590/X4			4								
X8			8								
X15	C	3	15	180	140— 12000	76 x 131	66 x 121	43	paper	Ticonal	0,13
X25			25								
X50			50								
X400			400								
3" x 8"											
AD3880/X4			4								
X8	D	4	8	120	90— 15000	82 x 205	72 x 195	51	paper	FXD	0,3
X15			15								
AD3890/X4			4								
X8			8								
X15	D	4	15	120	90— 15000	82 x 205	72 x 195	56	paper	Ticonal	0,21
X25			25								
X70			70								
X800			800								
3½" x 6"											
AD4692/X4			4								
X8	D	4	8	140	80— 12000	95 x 155	82 x 140	55	paper	Ticonal	0,14
X15			15								
X25			25								
AD4682/X4			4								
X8	D	6	8	140	80— 13000	95 x 155	82 x 140	51	paper	FXD	0,25
X15			15								
X25			25								
4" x 6"											
AD4681/M4			4								
M8	D	6	8	135	100— 20000	102 x 154	89 x 141	48	paper	FXD	0,26
M25			25								
AD4681/X4			4								
X8	D	6	8	140	100— 12000	102 x 154	89 x 141	48	paper	FXD	0,26
X15			15								
X25			25								

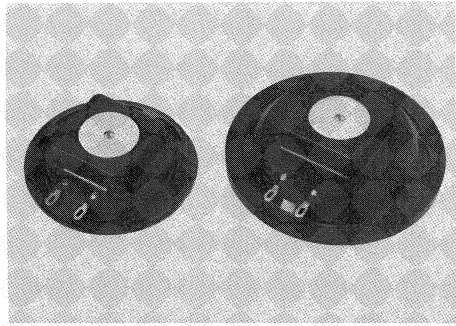


type	status	max power	impedance	resonance frequency	rated frequency range	overall size	baffle hole size	total depth	surround material	magnet system	mass
		W	Ω	Hz	Hz	mm	mm	mm			kg
4" x 6" (continued)											
AD4691/M4			4								
M8			8								
M15	D	4	15	135	100–20000	102 x 154	89 x 141	52	paper	Ticonal	0,16
M25			25								
M800			800								
AD4691/X4			4								
X8	D	4	8	140	100–10000	102 x 154	89 x 141	52	paper	Ticonal	0,16
X15			15								
X25			25								
4" x 8"											
AD4890/X4			4								
X8	D	5	8	110	70–10000	96 x 210	82 x 192	54	paper	Ticonal	0,23
X15			15								
X25			25								
5" x 7"											
AD5780/M4			4								
M8	D	6	8	100	70–19000	133 x 183	110 x 160	57	paper	FXD	0,32
M15			15								
M25			25								
AD5780/X4			4								
X8	D	6	8	115	85–10000	133 x 183	110 x 160	57	paper	FXD	0,32
X15			15								
X25			25								
AD5790/M4			4								
M8	D	4	8	100	70–19000	133 x 183	110 x 160	62	paper	Ticonal	0,22
M15			15								
AD5790/X4	D	4	4	115	85–10000	133 x 183	110 x 160	62	paper	Ticonal	0,22
6" x 9"											
AD6980/M4	D	6	4	77	60–18000	161 x 234	149 x 220	67	paper	FXD	0,36
M8			8								
AD6980/X4	D	6	4	90	70–10000	161 x 234	149 x 220	67	paper	FXD	0,36
X8			8								

loudspeakers

low power

round



Last figures of type number indicate the impedance (see opposite page).

Surround material for all types: paper.

type	status	max power W	resonance frequency Hz	rated frequency range Hz	overall dia. mm	baffle hole dia. mm	total depth mm	magnet system	mass kg
1¼" AD0199/Z25	D	0,2	700	550–13000	31	26,5	16	Ticonal	0,017
2" AD2099/Z25	D	0,3	420	325–13000	50	45,5	18	Ticonal	0,021
2½" AD2070/Z4; Z8; Z15; Z25	C	0,5	360	250–9000	64	59	20	FXD	0,064
AD2071/Z4; Z8; Z15; Z25	D	1	360	250–9000	64	59	20	FXD	0,07
3" AD3070/Y4; Y8; Y15; Y25	C	1	250	190–7000	81	72	28	FXD	0,069
AD3071/Y4; Y8; Y15; Y25	D	2	250	190–7000	81	72	28	FXD	0,07
AD3370/Y4; Y8; Y25; Y150	C	1	250	190–7000	81	72	28	FXD	0,075
4" AD4070/Y4; Y8; Y15; Y25	C	1	200	150–8000	105	96	29	FXD	0,079
AD4072/X4; X8; X15; X25	D	2	200	150–8000	105	96	29	FXD	0,079
AD4470/Y4; Y8; Y15; Y25	C	1	200	150–8000	105	96	29	FXD	0,087
AD4472/X4; X8; X15; X25	D	2	200	150–8000	105	96	29	FXD	0,087
AD4090/X8; X15	D	2	190	140–8000	105	96	37	Ticonal	0,125

