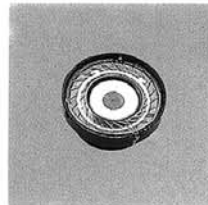


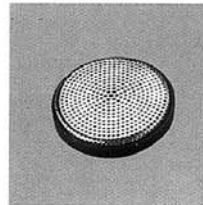
SPEAKERS FOR HEADPHONE

(NdFeB MAGNET)

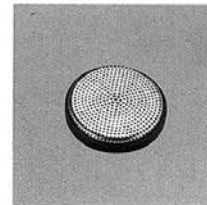
Impedance could be from 4 OHM to 1000 OHM



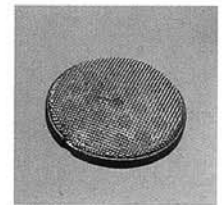
ELS101N



ELS13N



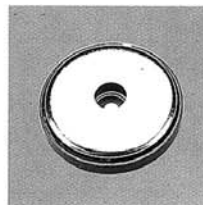
ELS151N



ELS15N



ELS23N



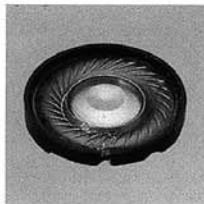
ELS23NG



ELS272N



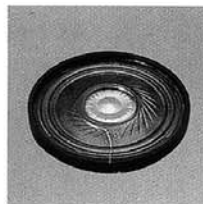
ELS28N



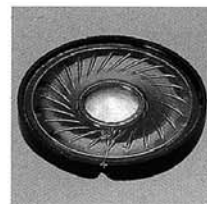
ELS282N



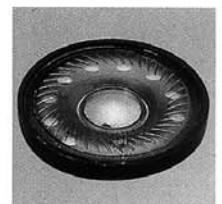
ELS302N



ELS362N



ELS402N



ELS503N

No.	Model	Size		IMP.	Resonant Freq.	Freq. Range	Sensitivity	Power Input		Magnet Size	Speaker N:W.	Packing
		Dia.	High					Nom	Max			
		mm	mm	Ω	Hz	Hz (fo)	dB (+/- 3dB)			mW	mW	mm
1	ELS101N	10	4.8	32	180	12K	110	10	30	5 × 2 × 1.5	1.5	4000/5.5/6.5
2	ELS13N	13.5	6.5	32	180	15K	110	10	30	6.5 × 1.5	2.0	4000/6/7
3	ELS151N	14.7	4.8	32	150	16K	110	10	30	6.5 × 1.5	2.0	4000/8/9
4	ELS15N	15.4	6.2	32	170	18K	113	10	30	6.5 × 1.5	2.0	4000/7/8
5	ELS23N	23	5.5	32	170	18K	118	30	100	9.5 × 1.5	3.0	2000/8.5/9.5
6	ELS23NG	23	8.5	32	300	4K	118	30	100	9.5 × 1.5	4.0	2000/9.5/10.5
7	ELS272N	27	6	32	150	20K	119	40	100	12.5 × 1.5	5.2	1000/14/15
8	ELS28N	28	5.4	32	160	18K	118	30	100	9.5 × 1.5	3.2	1000/4/5
9	ELS282N	28	5.9	32	140	20K	119	30	100	12.5 × 1.5	4.8	1000/6.5/7.5
10	ELS302N	30	6	32	150	19K	119	40	100	12.5 × 1.5	5.8	1000/6.5/7.5
11	ELS362N	36	5	32	320	5K	119	40	150	12.5 × 1.5	7.0	1000/10/11
12	ELS402N	40	6.5	32	150	20K	118	40	100	12.5 × 1.5	7.0	1000/11/12
13	ELS503N	50	9	32	150	20K	113	50	150	12.5 × 1.5	15.0	800/16/17

■ TEST CONDITION: 1 mW, at MIC. 1cm (ARTIFICIAL EAR)