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 Printer Friendly

Thiele-Small Parameters

Description	TL-1601c	TL-1601a	TL-1601b	TL-1602	TL-1603	TL-1801	TL-1102	TL-1101h	TM-1201 / TM-1201h
Nominal Impedance	8	8	8	8	8	8	8	16	8 / 16
Piston Area (Sq M)	0.0881	0.0881	0.0881	0.0881	0.0881	0.122	0.0366	0.0366	0.0531 / 0.0531
" " (Sq In)	136.6	136.6	136.6	136.6	136.6	189.0	56.8	56.8	82.3 / 82.3
DC Voice Coil Resistance (ohms)	6.6	6.6	6.6	6.2	6.6	6.6	7.2	13	5.3 / 5.3
Voice Coil Inductance @ 1kHz (mH)	1.9	1.7	1.6	0.9	1.6	2.0	1.1	2.0	0.68 / 0.68
Flux Density (BL)	20.5	20.5	19.5	21.0	19.5	21.0	13.5	20.5	26.0 / 36.8
Equivalent Acoustic Volume (Vas) (Liter)	304	304	307	519	304	500	121	92	63 / 63
" " (cu Ft.)	10.7	10.7	10.8	18.3	10.7	17.7	4.27	3.25	2.22 / 2.22
Mechanical Suspension Compliance (Cms)	2.761	2.761	2.785	4.708	2.761	2.372	6.382	4.832	1.561 / 1.561
Mechanical Mass of Cone and Free Air Load (Mms)	117	117	116	122	117	158	41.3	36.3	6 / 6
" " (Mmd)	86	86	85	92	86	114	34.1	28.7	4.8 / 4.8
Free Air Resonance Frequency (Fs)	28	28	28	21	28	26	31	38	52 / 52
Mechanical Q Factor (Qms)	8.76	6.8	6.8	2.78	6.8	7.94	4.35	3.86	1.43 / 1.43

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Electrical Q Factor (Qes)	0.32	0.32	0.36	0.23	0.36	0.39	0.32	0.27	0.15 / 0.15
Total Q Factor (Qts)	0.31	0.31	0.34	0.21	0.34	0.37	0.30	0.25	0.14 / 0.14
Maximum Linear Peak Excursion (O-P) (Xmax) (mm)	7.5	8	8	5.5	8	7.5	6.2	2.5	2.5 / 2.5
" " (In)	0.3	0.31	0.31	0.22	0.31	0.3	0.24	0.1	0.1 / 0.1
RMS Thermal Power Limit (Pmax)	500	500	300	300	500	800	500	500	300 / 300
Relative Efficiency	2.00%	2.00%	1.82%	2.06%	1.81%	2.20%	1.10%	1.82%	5.54% / 5.54%
" " (cu Cm)	661	705	705	485	705	914	227	91.6	1.33 / 1.33
" " (cu In)	40.3	43	43	29.6	43	56.7	13.9	5.59	8.1 / 8.1
Maximum Excursion Before Damage (P-P) (mm)	36	36	36	36	36	40	32	32	22 / 22
" " (In)	1.42	1.42	1.42	1.42	1.42	1.57	1.26	1.26	0.87 / 0.87

NOTE: Specifications and Design Subject to Modification Without Notice.