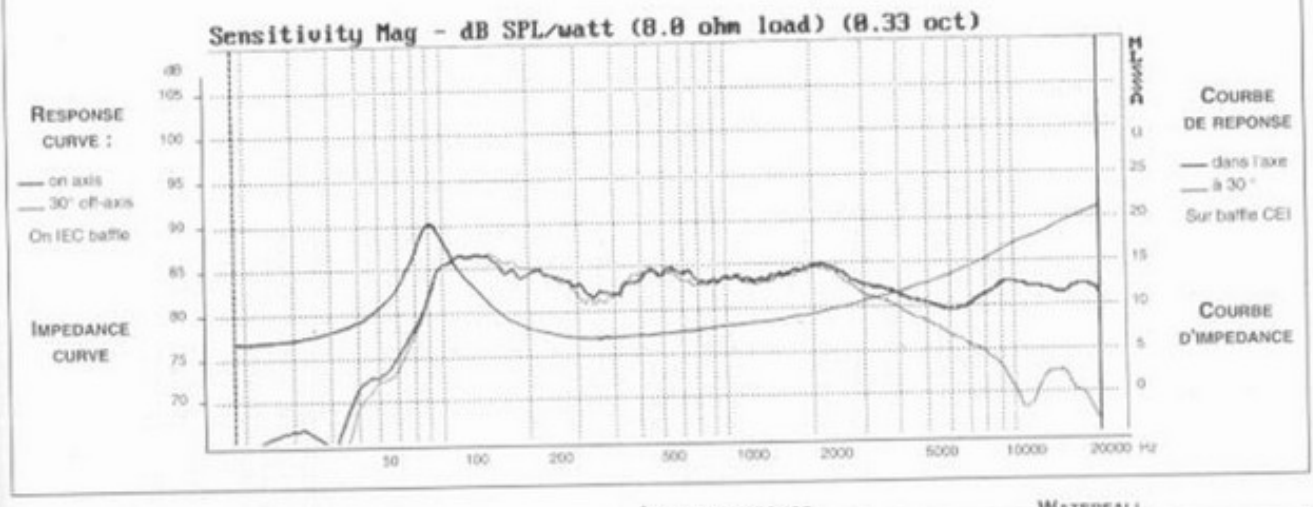
AT080M0

SHIELDED FULL RANGE

RESPONSE CURVE
refer to page 16

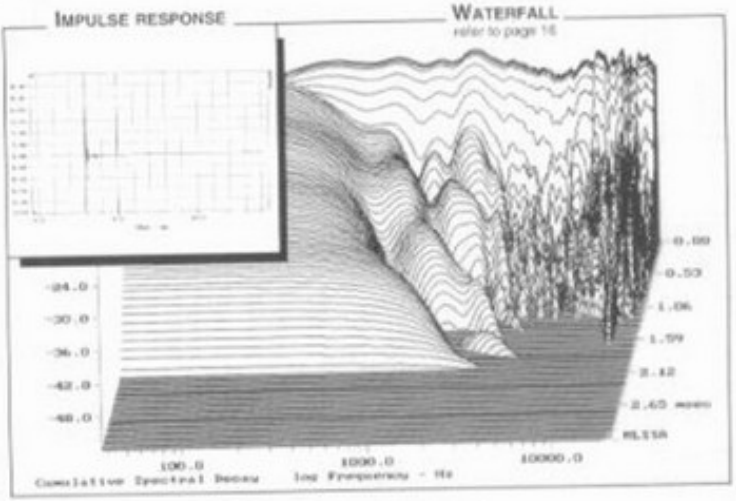


SPECIFICATIONS

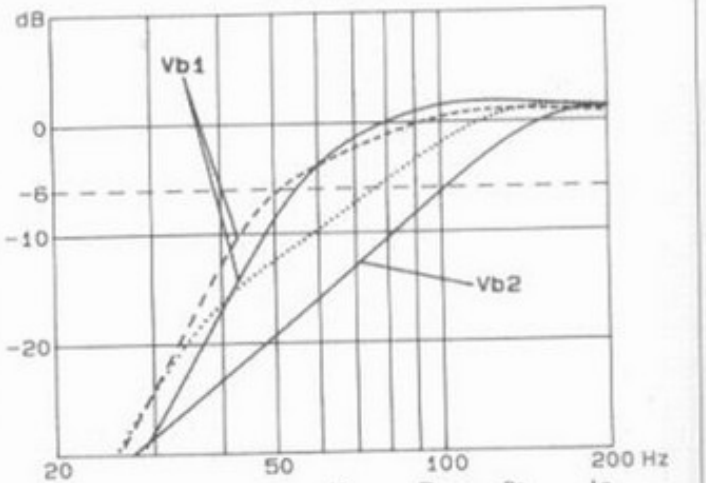
Technical Characteristics	Symbol	Value	Units
PRIMARY APPLICATION			
Nominal Impedance	Z	8	Ω
Resonance Frequency	Fs	82	Hz
Nominal Power Handling	P	20	W
Sensitivity	E	83	dB
VOICE COIL			
Voice coil diameter	Ø	20	mm
Minimum Impedance	Zmin	7,4	Ω
DC Resistance	Re	6,1	Ω
Voice Coil Inductance	Lbm	0,26	mH
Voice coil Length	h	7	mm
Former	-	Aluminium	-
Number of layers	n	2	-
MAGNET			
Magnet dimensions	Ø x h	2 (45x 9)	mm
Magnet weight	m	0,106	kg
Flux density	B	0,8	T
Force factor	BL	2,85	NA⁻¹
Height of magnetic gap	He	4	mm
Stray flux	Fmag	58	Am⁻¹
Linear excursion	Xmax	±1,5	mm
PARAMETERS			
Suspension Compliance	Cms	1,46.10⁻³	mN⁻¹
Mechanical Q Factor	Qms	2,28	-
Electrical Q Factor	Qes	0,99	-
Total Q Factor	Qts	0,69	-
Mechanical Resistance	Rms	0,58	kg s⁻¹
Moving Mass	Mms	2,55.10⁻³	kg
Effective Piston Area	S	0,29.10⁻²	m²
Volume Equivalent of Air at Cas	Vas	1,8.10⁻³	m³
Mass of speaker	M	0,31	kg

IMPULSE RESPONSE

WATERFALL
refer to page 16



SUGGESTED APPLICATIONS
refer to page 8 to 13



	Vb	Fb	Dp	Lp
Vb 1	4	65	2	2,8
	4	55	2	4,4
Vb REF	1,5	55	1,5	7,4
Vb 2	0,7	-	Closed	Box
	-	-	-	-

APPLICATION PARAMETERS

Vb	Box volume	dm³
Fb	Tuning frequency	Hz
Dp	Port diameter	cm
Lp	Port length	cm

Please refer to method of measurement and measurement conditions pages 15 to 19.