AUDAX

LA PASSION DU HAUT-PARLEUR

HT080M0

FULL RANGE

100797X

3" - PAPER CONE DRIVER - 80 mm

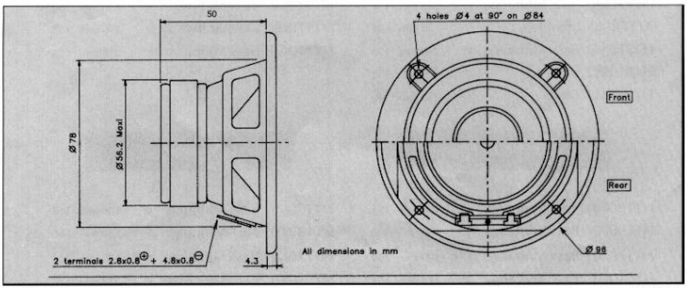
CLASSIC SERIES

- Extended bass response (Fs : 80 Hz)
- Paper cone
- Foam suspension
- Long excursion
- High temperature voice coil
- Stamped steel chassis

- Réponse étendue dans le grave (Fs : 80 Hz)
- Cône papier
- Suspension mousse
- Grande excursion
- Bobine haute température
- Châssis acier embouti

The compact size, low resonance and long throw capabilities of this driver make it ideal for use in mini enclosure systems. The paper cone and foam suspension combine to produce a well extended frequency response. The high temperature 3/4" voice coil ensures good power handling. The "Suggested applications" charts indicate various driver loads. The response curves shown on the diagram indicate the predicted low end response of the driver in the suggested box volume (Vb) with suggested port (Dp-Lp).

Ce haut-parleur très compact, 78 mm, combine une bande passante étendue à de réelles possibilités de longues excursions. La résonance extrêmement basse pour sa taille le destine plus particulièrement à de petites enceintes, satellites triphonique, ...
La bobine haute température sur support aluminium autorise une puissance admissible importante. Le tableau "Suggested applications" indique différents types de charge. Les courbes publiées correspondent à la réponse dans le grave pour un volume (Vb) et une dimension d'évent donnée (Vp-Lp).



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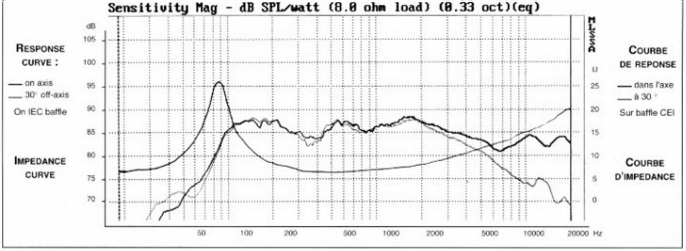
FULL RANGE

RESPONSE CURVE

refer to page 16



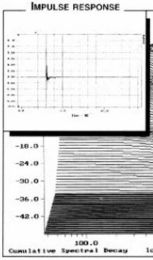
SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
PRIMARY APPLICATION			
Nominal Impedance	Z	8	Ω
Resonance Frequency	Fs	80	Hz
Nominal Power Handling	P	20	W
Sensitivity	E	86	dB
VOICE COIL			
Voice coil diameter	Ø	20	mm
Minimum Impedance	Zmin	7,4	Ω
DC Resistance	Re	5,9	Ω
Voice Coil Inductance	Lbm	0,21	mH
Voice coil Length	h	7	mm
Former	-	Aluminium	-
Number of layers	n	2	-
MAGNET			
Magnet dimensions	Ø x h	55 x 12	mm
Magnet weight	m	0,113	kg
Flux density	B	0,98	T
Force factor	BL	3,07	NA^{-1}
Height of magnetic gap	He	4	mm
Stray flux	Fmag	-	Am^{-1}
Linear excursion	Xmax	±1,5	mm
PARAMETERS			
Suspension Compliance	Cms	1,57.10^{-3}	mN^{-1}
Mechanical Q Factor	Qms	2,48	-
Electrical Q Factor	Qes	0,79	-
Total Q Factor	Qts	0,60	-
Mechanical Resistance	Rms	0,51	kg s^{-1}
Moving Mass	Mms	2,5.10^{-3}	kg
Effective Piston Area	S	0,29.10^{-2}	m^2
Volume Equivalent of Air at Cas	Vas	1,9.10^{-3}	m^3
Mass of speaker	M	0,33	kg

APPLICATION PARAMETERS

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

IMPULSE RESPONSE

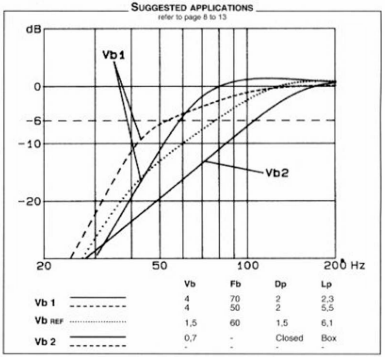


WATERFALL

refer to page 16

SUGGESTED APPLICATIONS

refer to page 8 to 13



	Vb	Fb	Dp	Lp
Vb 1	4	70	2	2,3
	4	50	2	5,5
Vb REF	1,5	60	1,5	6,1
Vb 2	0,7	-	Closed	Box
	-	-	-	-

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