

### 3" - PAPER CONE DRIVER - 80 mm

**CLASSIC SERIES**

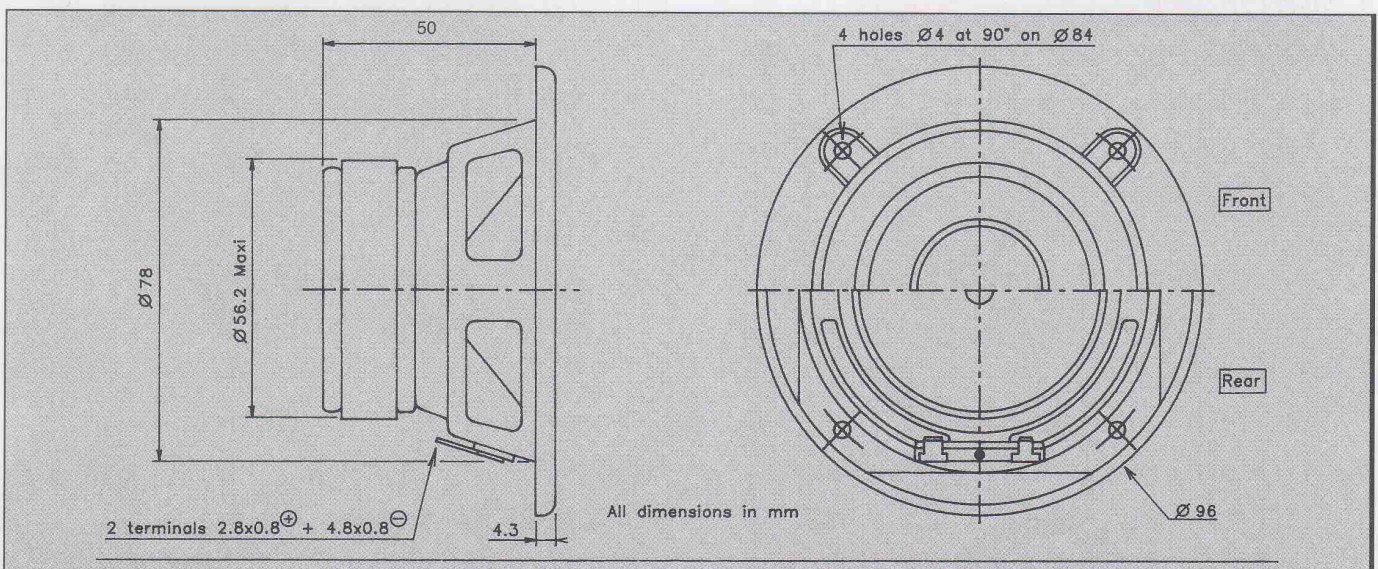
Extended bass response (Fs : 80 Hz)  
 Paper cone  
 Foam suspension  
 Long excursion  
 High temperature voice coil  
 Stamped steel chassis

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



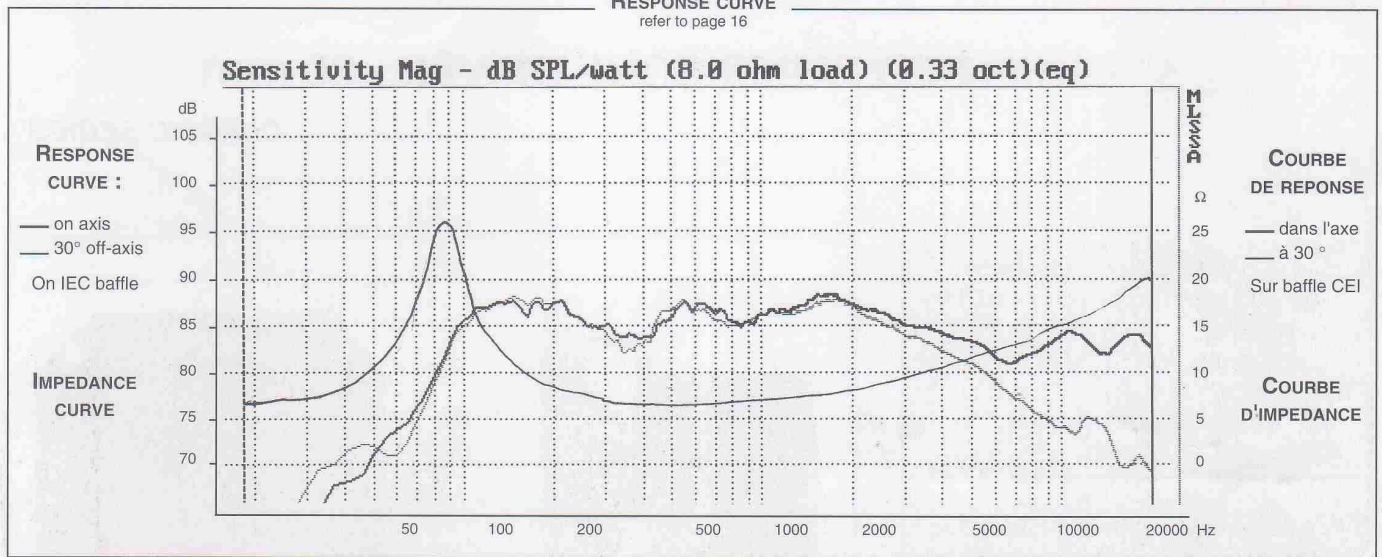
The compact size, low resonance and long throw capabilities of this driver make it ideal for use in mini enclosure systems. The paper cone and foam suspension combine to produce a well extended frequency response. The high temperature 3/4" voice coil ensures good power handling. The "Suggested applications" 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).





**RESPONSE CURVE**  
refer to page 16



## SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
---------------------------	--------	-------	-------

### PRIMARY APPLICATION

Nominal Impedance	Z	8	$\Omega$
Resonance Frequency	Fs	80	Hz
Nominal Power Handling	P	20	W
Sensitivity	E	86	dB

### VOICE COIL

Voice coil diameter	$\emptyset$	20	mm
Minimum Impedance	Zmin	7,4	$\Omega$
DC Resistance	Re	5,9	$\Omega$
Voice Coil Inductance	Lbm	0,21	mH
Voice coil Length	h	7	mm
Former	-	Aluminium	-
Number of layers	n	2	-

### MAGNET

Magnet dimensions	$\emptyset$ x h	55 x 12	mm
Magnet weight	m	0,113	kg
Flux density	B	0,98	T
Force factor	BL	3,07	NA <sup>-1</sup>
Height of magnetic gap	He	4	mm
Stray flux	Fmag	-	Am <sup>-1</sup>
Linear excursion	Xmax	$\pm 1,5$	mm

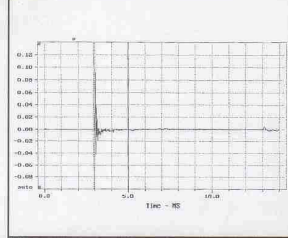
### PARAMETERS

Suspension Compliance	Cms	$1,57 \cdot 10^{-3}$	mN <sup>-1</sup>
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 <sup>-1</sup>
Moving Mass	Mms	$2,5 \cdot 10^{-3}$	kg
Effective Piston Area	S	$0,29 \cdot 10^{-2}$	m <sup>2</sup>
Volume Equivalent of Air at Cas	Vas	$1,9 \cdot 10^{-3}$	m <sup>3</sup>
Mass of speaker	M	0,33	kg

## APPLICATION PARAMETERS

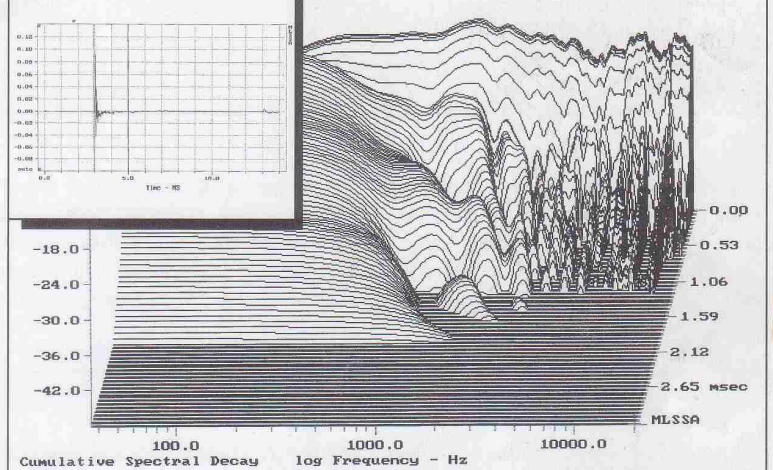
Vb	Box volume	dm <sup>3</sup>
Fb	Tuning frequency	Hz
Dp	Port diameter	cm
Lp	Port length	cm

## IMPULSE RESPONSE



## WATERFALL

refer to page 16



## SUGGESTED APPLICATIONS

refer to page 8 to 13

