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AP130Z0

102081L

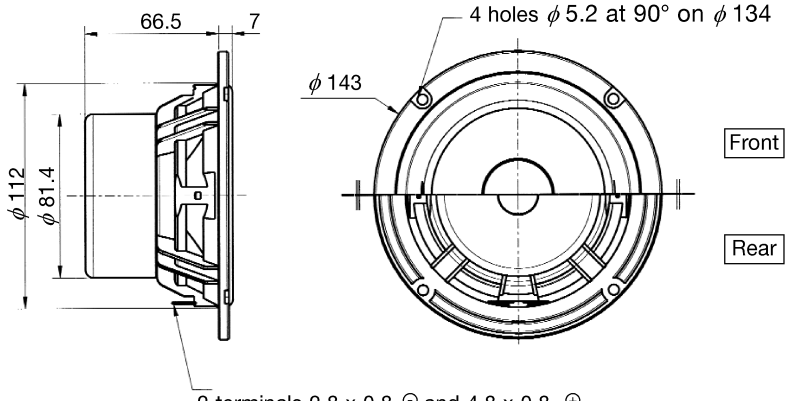
Dec .98

BASS MIDRANGE

AP130Z0 W08ZGP2511
102082M

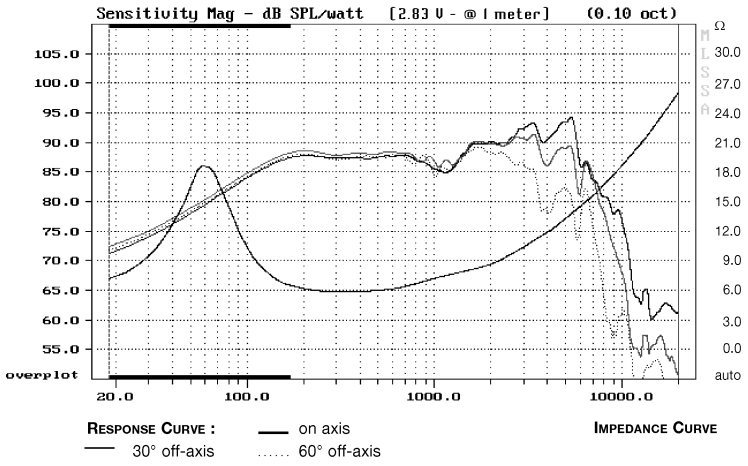
Shielded 5 1/4" HDA cone driver
High impact polymer chassis

- *Fully shielded magnet system for audio video application*
- *HDA (High Definition Aerogel) cone*
- *Non resonant high impact polymer chassis*
- *High loss rubber surround*
- *Built in cosmetic ring designed for front-rear and recessed mounting*
- *High temperature voice coil*
- *Aluminium former*



All dimensions in mm

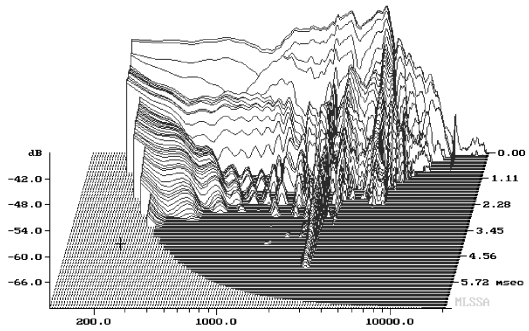
Response Curve



RESPONSE CURVE : —— on axis — 30° off-axis ..... 60° off-axis

IMPEDANCE CURVE

Waterfall



Cumulative Spectral Decay Log Frequency - Hz

SPECIFICATIONS

Technical characteristics	Symbol	Value	Units
PRIMARY APPLICATION			
Nominal Impedance	Z	6	Ω
Resonance Frequency	Fs	57,6	Hz
Nominal Power Handling	P	40	W
Sensitivity (2,83 V - 1m)	E	87,4	dB
VOICE COIL			
Voice Coil Diameter	ϕ	25	mm
Minimum Impedance	Zmin	5,7	Ω
DC Resistance	Dcr	5,2	Ω
Voice Coil Inductance	Lbm	0,40	mH
Voice Coil Length	h	10	mm
Former	-	Aluminium	-
Number of Layers	n	2	-
Wire type	-	round	-

MAGNET			
Magnet Dimensions	ϕ x h	72x15 60x10	mm
Magnet Weight	m	0,245 0,105	kg
Flux Density	B	1	T
Force Factor	BL	4,72	NA^{-1}
Height of Magnetic Gap	He	5	mm
Stray Flux	Fmag	-	Am^{-1}
Linear Excursion	Xmax	± 2,5	mm
PARAMETERS			
Suspension Compliance	Cms	1113	µm/N
Mechanical Q Factor	Qms	1,48	-
Electrical Q Factor	Qes	0,57	-
Total Q Factor	Qts	0,41	-
Mechanical Resistance	Rms	1,67	kg s^{-1}
Moving Mass	Mms	6,86	g
Effective Piston Area	S	83,32	cm^2
Volume Equivalent of Air at Cas	Vas	10,85	liters

Suggested Applications

Vb	Fb	Dp	Lp	F-3
liters	Hz	cm	cm	Hz
8	56,9	3	6	65,0
10	58,6	3	4	57,7