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AP100M0

102073M

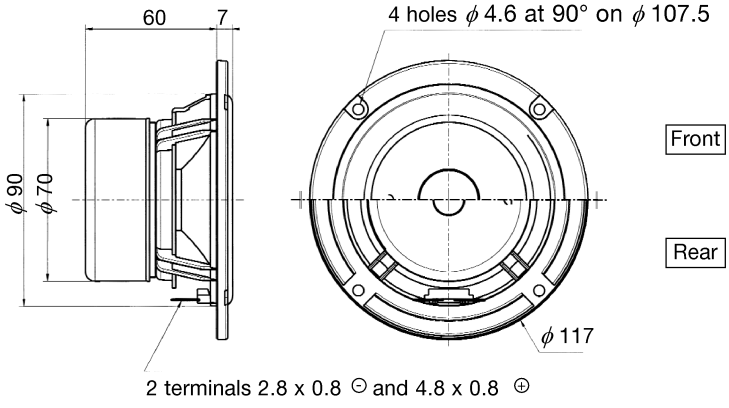
Dec .98

BASS MIDRANGE

AP100M0 M08PML2511
102074N

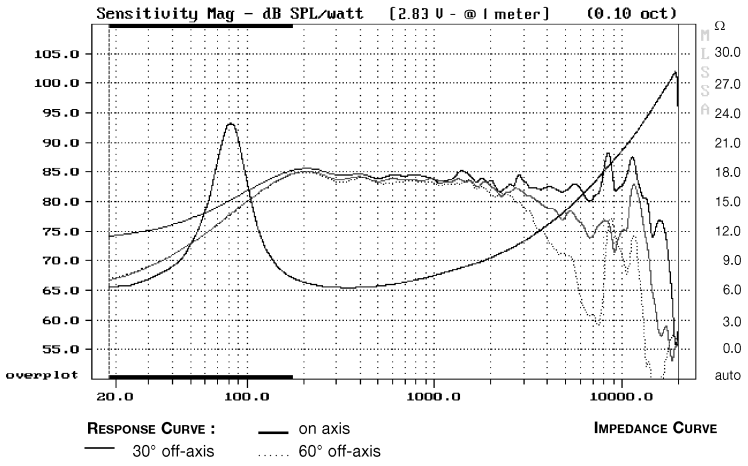
Shielded 4" paper cone
High impact polymer chassis

- *Fully shielded magnet system for all audio video applications*
- *Non resonant high impact polymer chassis*
- *Built in cosmetic ring designed for front-rear and recessed mounting*
- *High temperature voice coil*
- *Aluminium former*
- *Paper cone (virgin pulp)*
- *Foam suspension*



All dimensions in mm

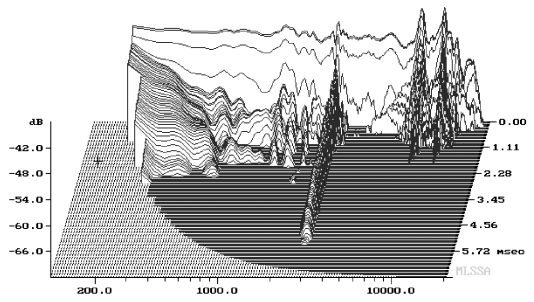
Response Curve



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	82,5	Hz
Nominal Power Handling	P	30	W
Sensitivity (2,83 V - 1m)	E	85,4	dB
VOICE COIL			
Voice Coil Diameter	ϕ	25	mm
Minimum Impedance	Zmin	6,3	Ω
DC Resistance	Dcr	5,6	Ω
Voice Coil Inductance	Lbm	0,44	mH
Voice Coil Length	h	9,4	mm
Former	-	Aluminium	-
Number of Layers	n	2	-
Wire type	-	round	-

MAGNET			
Magnet Dimensions	ϕ x h	$60x10^{0}_{-1x09}$	mm
Magnet Weight	m	$0,105^{}_{0,100}$	kg
Flux Density	B	1	T
Force Factor	BL	4,04	NA^{-1}
Height of Magnetic Gap	He	4	mm
Stray Flux	Fmag	-	Am^{-1}
Linear Excursion	Xmax	± 2,7	mm
PARAMETERS			
Suspension Compliance	Cms	865	µm/N
Mechanical Q Factor	Qms	2,50	-
Electrical Q Factor	Qes	0,76	-
Total Q Factor	Qts	0,58	-
Mechanical Resistance	Rms	0,89	kg s^{-1}
Moving Mass	Mms	4,30	g
Effective Piston Area	S	50,27	cm^2
Volume Equivalent of Air at Cas	Vas	3,07	liters

Suggested Applications

Vb	Fb	Dp	Lp	F-3
liters	Hz	cm	cm	Hz
3	-	-	-	101,0
-	-	-	-	-