AUDAX

LA PASSION DU HAUT-PARLEUR

PR380T6

WOOFER

100914A

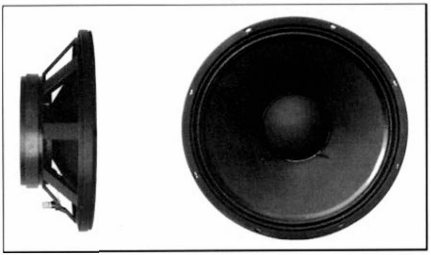
15" - PAPER CONE DRIVER - 380 mm

4 Ω

CAR LINE

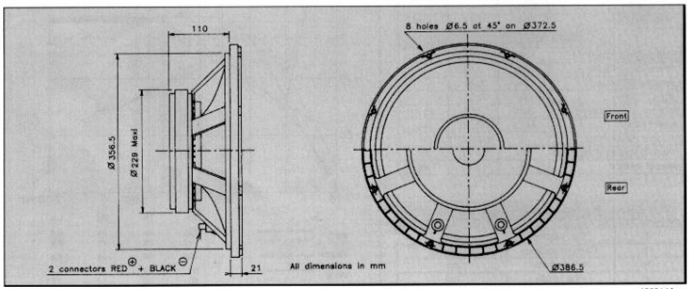
- Automotive application
- Ultra high power - 350 W
- Coated textile surround
- Ultra stiff die cast chassis
- Heatsink design - Vented pole piece
- Kapton voice coil former (100 mm Ø)
- Flat copper wire
- Gold plated binding post

- Appplication automobile
- Très forte puissance - 350 W
- Suspension toile traitée
- Châssis moulé ultra-rigide
- Ailettes de refroidissement - Noyau ventilé
- Bobine sur support Kapton (Ø 100 mm)
- Fil cuivre plat sur chant
- Bornes plaquées or

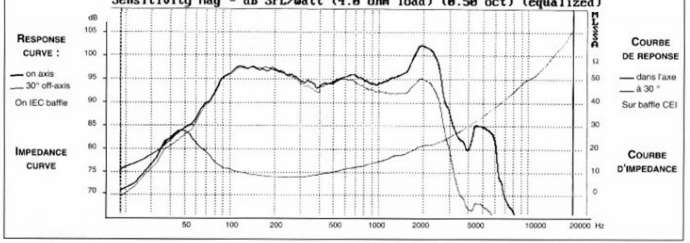


Very high power handling (350 W IEC, 700 W MUSIC), 15" woofer with very high sensitivity (100 dB) designed especially for the ultimate high end automotive systems. The very large (9" diameter) magnet is coupled with a unique 4" flat copper wire, 2 layers edgewound voice coil, which is mounted on a fiberglass reinforced Kapton former. The magnet has a vented pole piece and is heatsinked to the Zamak chassis to maximize heat dissipation. Gold plated binding posts fitted onto the Ultra stiff cast chassis are designed to accept large diameter cables. 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 grave de 380 mm à très haut rendement (100 dB), très forte tenue en puissance (350 W) est particulièrement destiné à des sytèmes automobiles de très haut niveau (4 Ω). Il est équipé d'une structure magnétique de grand diamètre (225 mm) et d'une bobine originale de 100 mm sur support Kapton renforcé fibre de verre, comportant 2 couches de fil de cuivre plat sur chant, lui assurant une extrême rigidité. Les ailettes de refroidisse-ment du saladier Zamak moulé ultra rigide et le noyau ventilé assurent une dissipation optimale de la chaleur. Les borniers plaqués or permettent l'utilisation de câbles de forte section. 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 (Dp-Lp).



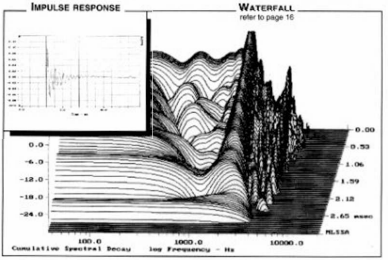
RESPONSE CURVE
refer to page 16



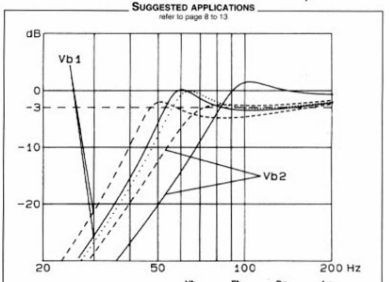
SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
PRIMARY APPLICATION			
Nominal Impedance	Z	4	Ω
Resonance Frequency	Fs	47	Hz
Nominal Power Handling	P	350	W
Sensitivity	E	100	dB
VOICE COIL			
Voice coil diameter	Ø	100	mm
Minimum Impedance	Zmin	5,1	Ω
DC Resistance	Re	2,9	Ω
Voice Coil Inductance	Lbm	0,75	mH
Voice coil Length	h	14	mm
Former	-	Kapton	-
Number of layers	n	2	-
MAGNET			
Magnet dimensions	Ø x h	224 X 23	mm
Magnet weight	m	3,43	kg
Flux density	B	1,3	T
Force factor	BL	19,55	NA⁻¹
Height of magnetic gap	He	7	mm
Stray flux	Fmag	-	Am⁻¹
Linear excursion	Xmax	±3,5	mm
PARAMETERS			
Suspension Compliance	Cms	0,108.10⁻³	mN⁻¹
Mechanical Q Factor	Qms	4,6	-
Electrical Q Factor	Qes	0,24	-
Total Q Factor	Qts	0,23	-
Mechanical Resistance	Rms	8	kg s⁻¹
Moving Mass	Mms	108.10⁻³	kg
Effective Piston Area	S	8,92.10⁻²	m²
Volume Equivalent of Air at Cas	Vas	120.10⁻³	m³
Mass of speaker	M	10	kg

IMPULSE RESPONSE — WATERFALL
refer to page 16



SUGGESTED APPLICATIONS
refer to page 8 to 13



	Vb	Fb	Dp	Lp
Vb 1	190	57	25	2,9
	190	48	25	9,8
Vb REF	150	60	25	5,3
Vb 2	60	90	20	2,5
	60	65	15	6,4

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.