AUDAX

LA PASSION DU HAUT-PARLEUR

TW025V2

TWEETER

100815A

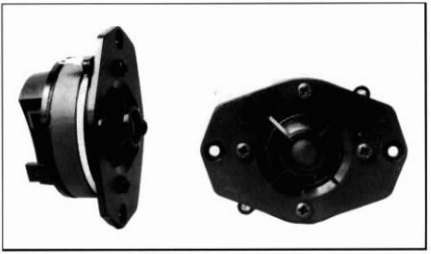
1" - SOFT DOME - 25 mm

4 Ω

CAR LINE

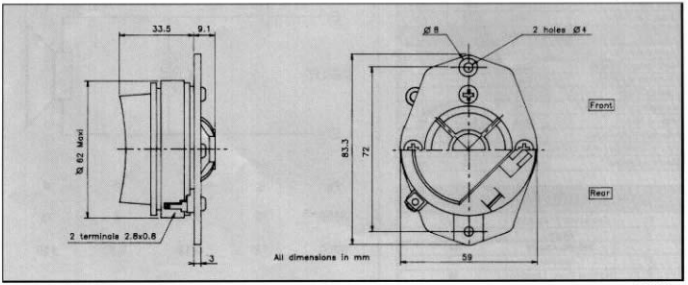
Replaceable voice coil assembly
Hi-fi automotive specific design
1" impregnated textile dome
Injected polymer face plate

Equipage mobile interchangeable
Application hi-fi automobile
Dôme 25 mm textile
Face polymère injectée



The carefully designed "catenary" profile of this soft dome coupled with a critically damped textile allows clarity of sound reproduction, together with good efficiency from 4 kHz to 20 kHz ± 2 dB, high power handling capacity of 70 Wrms. Specially designed for use in hi-fi systems in the automotive environment. Easily coupled with 2nd order crossover as shown Fig 1. Two crossover points are suggested for adequate power handling.

Doté d'un dôme souple de 25 mm en textile imprégné, d'un profil "chaînette" optimisé et d'un traitement amortissant, ce tweeter particulièrement musical conjugue les avantages d'un bon rendement, d'une linéarité exceptionnelle, de 4 KHz à 20 KHz ± 2 dB et d'une puissance admissible de 70 Wrms. Sa configuration le destine plus particulièrement au secteur automobile. Il peut être filtré au second ordre (12 dB/Octi selon le shéma Fig 1. Deux fréquences de coupure sont proposées afin d'obtenir la tenue en puissance adéquate.



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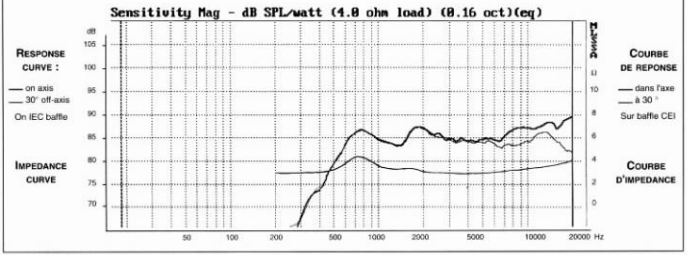
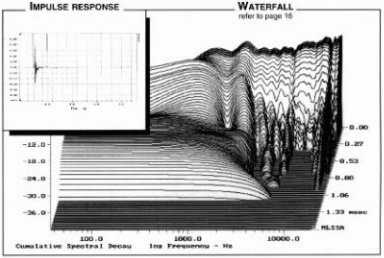
TWEETER

RESPONSE CURVE
refer to page 16



IMPULSE RESPONSE

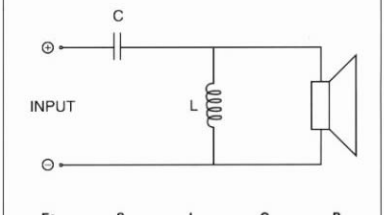
WATERFALL
refer to page 16



SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
PRIMARY APPLICATION			
Nominal Impedance	Z	4	Ω
Resonance Frequency	Fs	600	Hz
Nominal Power Handling	P	70	W
Sensitivity	E	86	dB
VOICE COIL			
Voice coil diameter	Ø	25	mm
Minimum Impedance	Zmin	4,2	Ω
DC Resistance	Re	3,4	Ω
Voice Coil Inductance	Lbm	3,6	µH
Voice coil Length	h	1,7	mm
Former	-	Aluminium	-
Number of layers	n	2	-
MAGNET			
Magnet dimensions	Ø x h	60 X 10	mm
Magnet weight	m	0,104	kg
Flux density	B	1,2	T
Force factor	BL	2	NA⁻¹
Height of magnetic gap	He	3	mm
Stray flux	Fmag	43	Am⁻¹
Linear excursion	Xmax	±0,3	mm
PARAMETERS			
Suspension Compliance	Cms	-	mN⁻¹
Mechanical Q Factor	Qms	-	-
Electrical Q Factor	Qes	-	-
Total Q Factor	Qts	-	-
Mechanical Resistance	Rms	-	kg.s⁻¹
Moving Mass	Mms	0,31.10⁻³	kg
Effective Piston Area	S	6,2.10⁻⁴	m²
Volume Equivalent of Air at Cas	Vas	-	m³
Mass of speaker	M	0,25	kg

SUGGESTED APPLICATIONS
refer to page 8 to 13



Fc	S	L	C	P
3500	12	0,15	8	70
5000	12	0,12	5,5	100

APPLICATION PARAMETERS

Fc	Crossover Frequency	Hz
S	Slope	dB / Oct.
L	Self-inductance	mH
C	Capacitor	µF
P	Nominal Power Handling	W

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