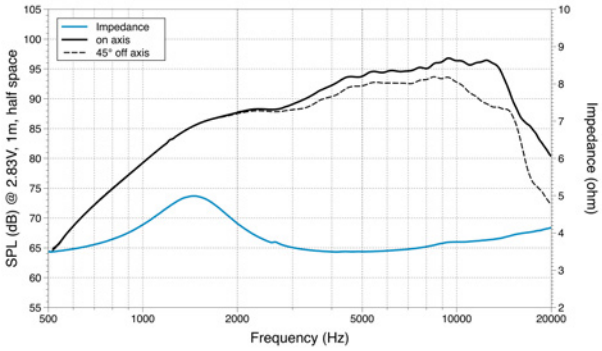
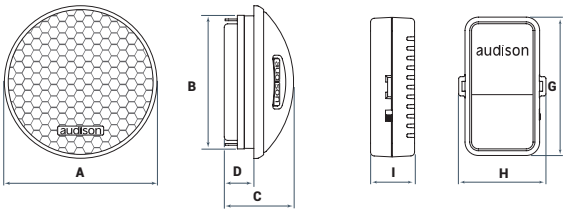
From R&D to final product KLIPPEL since 2005

AP 1 TWEETER

1. 26 mm diameter diaphragm combined with a wide-roll surround provides maximum efficiency and reduced resonance frequency.
2. Neodymium magnet with low carbon content plates, provides reduced size and more linear sound reproduction, even during the most demanding audio passages.
3. Acoustic lens designed to compensate for and fine tune the in-car frequency response anomalies in the 10 kHz - 13 kHz bandwidth caused by restrictive OEM grilles in critical OEM placements.
4. Extremely compact dedicated passive crossover APCX TW supplied with the product, optimised for OEM Integration, featuring an attenuation switch (0 dB, +2 dB) to tune the in-car response according to different installation conditions.
5. Passive crossovers are supplied with "OEM Integration compliant" fast-on connectors. The ends, different in each of the two poles, eliminate any possible connection errors and speed up the required installation time.
6. Wide array of mounting accessories supplied with the product, for high fitment flexibility in OEM Integration.
7. CCAW (Copper Clad Aluminium Wire) ultra-light ferrofluid cooled voice coil is wound on a Kapton former, for better heat dissipation.
8. Dome profile and motor are optimised with FEM (Finite Element Method) simulation technology.
9. Developed with the KLIPPEL suite.





A	B	C	D	
44	38,5	20	8,5	mm
1.7	1.5	0.78	0.33	in.

G	H	I	
46,5	37,5	20,1	mm
1.83	1.47	0.8	in.

TECHNICAL SPECIFICATIONS

Component		Tweeter
Size	mm (in.)	26 (1)
Power Handling	W peak	150
	Hi-pass filtered @ 3,5 kHz - 12 dB Oct	
Impedance	Ω	4
Frequency Response	Hz	2k ÷ 20k
Magnet size D x h	mm (in.)	19 x 3 (0.75 x 0.12)
Weight of one speaker	kg (lb)	0,04 (0.09)
Weight of one crossover	kg (lb)	0,04 (0.09)
Voice Coil Ø	mm (in.)	20 (0.8)

ELECTRO-ACOUSTIC PARAMETERS

D	mm	27.5
Xmax	mm	-
Re	Ω	3,5
Fs	Hz	1500
Le	mH	0,02
Vas	l	-
Mms	g	0,16
Cms	mm/N	0,09
BL	T•m	1,3
Qts		0,98
Qes		2,78
Qms		1,5
Spl	dB	93