



TH K2 II P Coro

300 W Max Power



TECHNICAL SPECIFICATIONS		
Component	2-way system	
Size		
Woofers	mm (in.)	165 (6.5)
Tweeter diaphragm	mm (in.)	38 (1.5)
Crossover	mm (in.)	348x190x66,5 (13.7x7.48x2.618)
Voice Coil Ø		
Woofers	mm (in.)	50 (2)
Tweeter	mm (in.)	34 (1.34)
Power Handling	W peak	300
	W continuous	150
Sensitivity	dB SPL	87
Impedance	Ω	4
Frequency Response	Hz	40 ÷ 26k
Crossover	Woofers Cut-off	Lo-pass 1,35kHz @ 6 dB/Oct.
	Tweeter Cut-off	Hi-pass 2.8 kHz @ 12 dB/Oct. Q=2.06
	Crossover -Adjustment	Contour @1 KHz
Crossover -Adjustment	Tweeter level	-4/-2/0/+1,5 dB
	Weight of one component	
Woofers	kg (lb)	1.25 (2.76)
Tweeter	kg (lb)	0,335 (0.78)
Crossover	kg (lb)	3,6 (7)

ELECTRO-ACOUSTIC PARAMETERS		TH 1.5 II Violino		
		TH 6.5 II Sax	Bottom Case	Bottom Disk
D	mm	130	38	38
Xmax	mm	5,4	-	-
Re	Ω	3,8	6,1	6,1
Fs	Hz	55	780	980
Le	mH	0,43	0,025	0,025
Vas	l	8,6	0,019	0,013
Mms	g	24,2	0,43	0,43
Cms	mm/N	0,35	0,09	0,062
BL	T·m	8,2	3,32	3,44
Qts		0,43	0,83	0,97
Qes		0,47	1,2	1,3
Qms		5,3	2,9	3,5
Spl	dB	87	92,5	93

TH 1.5 II violino

- 34 mm CCAW single layer voice coil combining light weight, stability at lower frequencies and total absence of musical transients compression.
- Extremely powerful custom N38 "H-grade" Neodymium magnet providing 1.67 T·m in the magnetic gap for superb dynamic response and very low distortion in the whole frequency range.
- Exclusive air-loading system resulting in a resonance frequency below 800 Hz, for filter set-up starting as low as 1.5 kHz - 12dB/Oct.
- 38 mm natural silk dome optimized with extensive material characterization, laser vibrometer scanning and Finite Element Analysis methods for a smooth and extended response.
- Frequency response up to 26 kHz optimized for off-axis installation.
- TH 1.5 II Violino Tuning System featuring two types of electro-acoustic load: bottom case or bottom disk according to targets of highest performance as well as flexibility of in-car integration.
- Full solid metal construction structure with each part exclusively designed and produced for the Audison TH 1.5 II.
- FEM (Finite Element Method) optimized faceplate and front spokes for an improved dispersion pattern.
- eID technology providing TH 1.5 II traceability starting from the manufacturing stage up to the owner.

TH 6.5 II sax

- 50 mm mobile voice coil in CCAR (Copper Clad Aluminum Ribbon) wound with flat wire to maximize the force factor and heat dissipation.
- Low inductance of the mobile voice coil to optimize the emission in medium-high band (2-3 kHz).
- N48 "H-grade" neodymium magnet with superb thermal stability to guarantee an optimal dynamic reserve in every situation.
- Magnetic group geometry designed using finite element simulation software to maximize efficiency by concentrating the magnetic field in the gap.
- Membrane made of TPX®, a transparent material that reduces the frequency response irregularities in the mid-high band, leaving the speaker interior in full view.
- Membrane geometry designed using simulation software, to obtain a smooth emission over all the listening angles.
- Basket made of a single piece of die-cast aluminium featuring four pairs of spokes to optimize heat transfer, nullify turbulent airflows and ensure maximum structural rigidity.
- Hi-exursion suspension and spider, optimized with simulations of the loudspeaker multi-physical behavior.
- eID technology providing TH 6.5 II traceability starting from the manufacturing stage up to the owner.

THX 2 II

- Construction without compromise with the use of high quality resistors, capacitors and inductors.
- Use of compensation networks for both woofer and tweeter, which optimize the load seen by the amplifier.
- Best Envelopment filtering configuration with a well-distributed vertical scene along the entire height of the passenger compartment.
- 4 emission levels for the tweeter (-4, -2, 0, +1,5 dB), designed using L-Pad technique.
- mid-frequency level control (-3 -> 0 dB) centered at 900 Hz.
- Possibility of bi-amplification.

All specifications subject to change without notice_19.A



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