

Prima

AK 6.5 C2

2-way system
300 W



TECHNICAL SPECIFICATIONS		
Component		2-way System
Woofer Size	mm (in.)	165 (6.5)
Tweeter Size	mm (in.)	26 (1)
Power Handling	W peak W continuous	300 100
Impedance	Ω	2
Frequency Response	Hz	45 ÷ 20k
Sensitivity	dB SPL/2.83Vrms/1m	94
AP 1 C2 tweeter crossover	Name: APCX TW C2	Hi-Pass: 4 KHz @ 12dB/Oct.
AP 6.5 C2 woofer crossover	Name: APCX WF C2	Low-Pass: 4 kHz @ 6 dB/Oct.
APCX TW C2 crossover adjustment	dB	Tweeter Level; 0 / +2
Woofer Magnet size D x d x h	mm (in.)	85 x 32 x 15 (3.35 x 1.26 x 0.59)
Tweeter Magnet size D x d x h	mm (in.)	19 x 3 (0.75 x 0.12)
Weight of one speaker	Woofer	0,86 (1.9)
	Tweeter	0,065 (0.14)
Voice Coil Ø	Woofer	25 (1)
	Tweeter	20 (0.8)

ELECTRO-ACOUSTIC PARAMETERS			
		Woofer	Tweeter
D	mm	132	26
Xmax	mm	3,9	-
Re	Ω	2,2	3.7
Fs	Hz	65	1500
Le	mH	0,18	0,02
Vas	l	14	-
Mms	g	11,5	0,17
Cms	mm/N	0,52	0,07
BL	T·m	3,8	1,3
Qts		0,63	1,6
Qes		0,71	3,5
Qms		5,6	2,9
Spl	dB/1W/1m	94	92

AP 1 C2

1. Soft Tetolon fiber 26 mm (1 in.) dome and 20 mm (0.8 in.) voice coil, for a natural and yet detailed reproduction of musical nuances.
2. Neodymium magnet with high-density magnetic flux, optimized for maximum control during high-energy dynamic transients in the mid-high frequency range.
3. Faceplate geometry optimized with FEM (Finite Element Modeling) technique for a linear frequency response in off-axis installations.
4. Dome profile optimized with FEM simulations for a wide off-axis dispersion.

AP 6.5 C2

1. 2Ω impedance, to fully exploit the 65 W power per channel at 2Ω of the AP8.9 bit amplifier.
2. 65 Hz resonance frequency, to extend the range down to 45 Hz and increase the SPL in the low range.
3. 25 mm mobile voice coil to maximize efficiency achieving 94 dB, increasing maximum linear excursion up to 2,8 mm and minimizing distortion, even at high listening levels.
4. Compact basket with reduced mounting depth, providing ease of installation in OEM placements.
5. High current fast-on terminal with double contact on positive and negative poles for high flexibility and quick connection.

APCX TW C2, APCX WF C2

1. Separate ultra-compact crossovers for tweeters and woofers to minimize space requirements and simplify cable routing, facilitating the specialist work.
2. Woofer 6dB/oct. low pass filter based on pure cooper high-current inductors for the management of high power avoiding saturation.
3. Tweeter 12db/oct high pass filter featuring 100V polypropylene bi-metallized capacitor for best sound transparency.

From R&D to
final product
KLIPPEL
since 2005