



<h1>X25Nd</h1>	<h2>COAXIAL - 25cm / 10" - Neodym</h2>					
	Speaker type				Coax 1"	Coax 1"
Reference				3900Nd	3901Nd	

TYPICAL CHARACTERISTICS

Rated impedance	Z	Ω			8	8
Half space sensitivity (1W@1m)	-	dB SPL			96	96
Usable freq. range	-	Hz			50-2500	50-2500
Power handling capacity (AES)	-	W			400	400
Max Sound Pressure Level	SPLmax	dB SPL			120	120
Min. impedance modulus	Zmin	Ω @Hz			5,6@290	5,6@290
Voice-coil inductance @ 1kHz	Le _{1k}	mH			1,43	1,43
Voice-coil inductance @ 10kHz	Le _{10k}	mH			0,77	0,77
BL product	BL	N/A			22,70	22,70
Moving mass	Mms	kg			0,048	0,051

THIELE-SMALL PARAMETERS: TYPICAL (QC LIMITS)

Resonance frequency	Fs	Hz			58 (± 7)	56 (± 7)
DC Resistance	Re	Ω			5.0(± 0.6)	5.0(± 0.6)
Mechanical quality factor	Qms	1			3,9	4,0
Electrical quality factor	Qes	1			0,18	0,18
Total quality factor	Qts	1			0,17	0,17
Mechanical suspension compliance	Cms	10^{-6} .m/N			155	155
Effective piston area	Sd	m ²			0,0314	0,0314
Equivalent Cas air load	Vas	m ³			0,0215	0,0215
Max linear excursion	Xmax	\pm mm			4,5	4,5
Linear displacement volume	Vd	10^{-3} .m ³			0,141	0,141
Reference efficiency	η_0	%			2,4	2,1
Unity load volume	Vas.Qts ²	10^{-3} .m ³			0,6	0,6

ABSOLUTE MAXIMUM RATINGS

Short term max. input voltage	Vmax	V			115	115
Max.excursion before damage	Xdam	\pm mm			12	12
Ambient operating temperature	Ta	°C			-10 to +50	-10 to +50
Storage temperature	-	°C			-20 to +70	-20 to +70
Environmental withstanding *	-	-			Outdoor	Outdoor \clubsuit

APPLICATION INFORMATION

Air volume occupied by the driver	-	10^{-3} .m ³			1,5	1,5
Speaker net mass		kg			6,100	6,100
Recommended reflex box	Vb/Fb	Lts/Hz			10L / 80Hz	10L / 80Hz

* Our products are classified in three categories : **Indoor**, **Outdoor**, and **Outdoor \clubsuit** for permanent outdoor use or severe conditions.

upgrade : 12/10/2006

These specifications are representative of current production after packaging. Because of our continuous research they are subject to change without notice.