



SPECIFICATION SHEET

Speaker type :	W384-8		
Model number :	SP	6251MNd	
Upgrade	0		
Architecture particularities :	<ul style="list-style-type: none"> - Ultra light injection molded Magnesium basket - Super Symetric Neodymium magnet system with dynamic stability device - Natural Convection Intercooling System for noiseless sound reproduction - Heavy duty very long excusion Super Symetrical suspensions - Dual side coating diaphragm for ultimate sound performances and tropical withstanding 		
Typical characteristics			
Rated impedance	Z	Ω	8
Half space sensitivity (1W @ 1m)	-	dB SPL	96
Usable freq. range	-	Hz	30-1000
Power handling capacity (AES)	-	W	1000
Max Sound Pressure Level	SPLmax	dB SPL	123
Min. impedance modulus	Zmin	Ω @Hz	6.2@210
Voice-coil inductance @ 1kHz	Le _{1k}	mH	1.68
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.74
BL product	BL	N/A	24.7
Moving mass	Mms	kg	0.145
Thiele-Small parameters established after preconditioning : Typical (QC limits)			
Resonance frequency	Fs	Hz	39(±5)
DC Resistance	Re	Ω	5.3(±0.5)
Mechanical quality factor	Qms	1	5.5
Electrical quality factor	Qes	1	0.31
Total quality factor	Qts	1	0.29
Mechanical suspension compliance	Cms	10 ⁻⁶ .m/N	115
Effective piston area	Sd	m ²	0.0871
Equivalent Cas air load	Vas	m ³	0.120
Max linear excursion	Xmax	±mm	10.0
Linear displacement volume	Vd	10 ⁻³ .m ³	0.871
Reference efficiency	η_0	%	2.3
Unity load volume	Vas.Qts ²	10 ⁻³ .m ³	10.4
Absolute maximum ratings			
Short term max. input voltage	Vmax	V	160
Max.excursion before damage	Xdam	±mm	19.0
Ambient operating temperature	Ta	°C	-10 to +50
Storage temperature	-	°C	-20 to +70
Environemental withstanding	-	-	Tropical
Application information			
Air volume occupied by the driver	-	10 ⁻³ .m ³	4.2
Speaker net mass		kg	5.6
Baffle cut-out Diameter (Front mounting)		mm	355.0
Bolt number & Metric Diameter		-	8x M6
Bolt Circle Diameter		mm	370 and 388
Max Overall dimension (on ears)		mm	406.5
Max Overall Diemension (out of ears)		mm	380.5
Flange Height		mm	13.0
Max Magnet Diameter		mm	140.0
Max Depth (Front mounting)			175.0
Recommended reflex box	Vb/Fb	Lts/Hz	100 L / 42 Hz

Note: These specifications are stated to be representative of current production after conditioning. Because of our continous research they are subject to change without notice. The latest upgrade dating cancels the previous one.