



16-mai-05

SPECIFICATION SHEET

Speaker type:

M2525-8

Model number:	SP		3451
22/02/02		Upgrade	0

Typical characteristics

Rated impedance	Z	Ω	8
Half space sensitivity (1W@1m)	-	dB SPL	101
Usable freq. range	-	Hz	150-4000
Power handling capacity (AES)	-	W	200
Max Sound Pressure Level	SPLmax	dB SPL	120
Min. impedance modulus	Zmin	Ω @Hz	5.5@430
Voice-coil inductance @ 1kHz	Le _{1k}	mH	1.01
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.49
BL product	BL	N/A	15.7
Moving mass	Mms	kg	0.032

Thiele-Small parameters: Typical (QC limits)

Resonance frequency	Fs	Hz	94 (± 19)
DC Resistance	Re	Ω	5.0(± 0.5)
Mechanical quality factor	Qms	1	3.0
Electrical quality factor	Qes	1	0.38
Total quality factor	Qts	1	0.34
Mechanical suspension compliance	Cms	10 ⁻⁶ .m/N	90
Effective piston area	Sd	m ²	0.0377
Equivalent Cas air load	Vas	m ³	0.018
Max linear excursion	Xmax	\pm mm	2.5
Linear displacement volume	Vd	10 ⁻³ .m ³	0.094
Reference efficiency	η_0	%	3.7
Unity load volume	Vas.Qts ²	10 ⁻³ .m ³	2.0

Absolute maximum ratings

Short term max. input voltage	Vmax	V	90
Max.excursion before damage	Xdam	\pm mm	4
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	1.5
Speaker net mass		kg	5.840
Baffle cut-out Diameter (Front mounting)		mm	229.0
Bolt number & Metric Diameter		-	6x M5
Bolt Circle Diameter		mm	266.0
Max Overall dimension (on ears)		mm	283.0
Max Overall Diemension (out of ears)		mm	254.0
Flange Height		mm	11.0
Max Magnet Diameter		mm	172.5
Max Depth (Front mounting)			109.0
Recommended reflex box	Vb/Fb	Lts/Hz	4-6L sealed

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