



# M25

## MEDIUM - 25cm / 10"

Speaker type	M252-8		M2525-8	M2525-8	M253-8	M253-8		
Reference	<b>3040</b>		<b>3450</b>	<b>3451</b>	<b>3860</b>	<b>3861</b>		

### TYPICAL CHARACTERISTICS

Rated impedance	Z	$\Omega$	8	8	8	8	8	
Half space sensitivity (1W@1m)	-	dB SPL	100	101	101	101	100	
Usable freq. range	-	Hz	150-5000	150-4000	150-4000	120-3000	120-3000	
Power handling capacity (AES)	-	W	160	200	200	250	250	
Max Sound Pressure Level	SPLmax	dB SPL	118	120	120	121	120	
Min. impedance modulus	Zmin	$\Omega$ @Hz	6.6@470	5.5@430	5.5@430	6.4@410	6.4@410	
Voice-coil inductance @ 1kHz	Le <sub>1k</sub>	mH	1,05	1,01	1,01	1,23	1,23	
Voice-coil inductance @ 10kHz	Le <sub>10k</sub>	mH	0,48	0,49	0,49	0,67	0,67	
BL product	BL	N/A	14,30	15,70	15,70	20,50	20,50	
Moving mass	Mms	kg	0,026	0,029	0,032	0,032	0,035	

### THIELE-SMALL PARAMETERS: TYPICAL (QC LIMITS)

Resonance frequency	Fs	Hz	98 (±19)	98 (±19)	94 (±19)	98 (±19)	95 (±19)	
DC Resistance	Re	$\Omega$	6.0(±0.6)	5.0(±0.5)	5.0(±0.5)	5.7(±0.6)	5.7(±0.6)	
Mechanical quality factor	Qms	1	3,5	2,8	3,0	2,7	2,6	
Electrical quality factor	Qes	1	0,47	0,36	0,38	0,27	0,25	
Total quality factor	Qts	1	0,42	0,32	0,34	0,24	0,22	
Mechanical suspension compliance	Cms	10 <sup>-6</sup> .m/N	100	90	90	82	82	
Effective piston area	Sd	m <sup>2</sup>	0,0377	0,0377	0,0377	0,0377	0,0377	
Equivalent Cas air load	Vas	m <sup>3</sup>	0,020	0,018	0,018	0,0164	0,0164	
Max linear excursion	Xmax	±mm	2,0	2,5	2,5	2,0	2,0	
Linear displacement volume	Vd	10 <sup>-3</sup> .m <sup>3</sup>	0,075	0,094	0,094	0,075	0,075	
Reference efficiency	$\eta_0$	%	3,9	4,5	3,7	5,5	4,7	
Unity load volume	Vas.Qts <sup>2</sup>	10 <sup>-3</sup> .m <sup>3</sup>	3,5	1,9	2,0	1,0	1,1	

### ABSOLUTE MAXIMUM RATINGS

Short term max. input voltage	Vmax	V	70	90	90	100	100	
Max.excursion before damage	Xdam	±mm	4,0	4,0	4,0	4,0	4	
Ambient operating temperature	Ta	°C	-10 to +50	-10 to +50	-10 to +50	-10 to +50	-10 to +50	
Storage temperature	-	°C	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70	
Environmental withstanding *	-	-	Outdoor	Outdoor	Outdoor +	Outdoor	Outdoor +	

### APPLICATION INFORMATION

Air volume occupied by the driver	-	10 <sup>-3</sup> .m <sup>3</sup>	1,1	1,5	1,5	2,0	2	
Speaker net mass		kg	5,020	5,840	5,840	8,240	8,240	
Recommended reflex box	Vb/Fb	Lts/Hz	4-6L Sealed	4-6L Sealed	4-6L Sealed	4-6L Sealed	4-6L Sealed	

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

upgrade : 22/02/2002

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