.Kartesian
SPEAKER INNOVATOR

LOUDSPEAKER TECHNICAL BRIEF

Business overview

Brand	
Targeted market	
Targeted release date	
Products Line-up (Yes / No)	
Targeted MOQ / purchase order	
Targeted price per unit [€]	
Exclusive property (Yes / No)	

Loudspeaker description

Loudspeaker type (Woofer, Subwoofer, Midrange, …)	
Diameter (Frame OD [mm])	
Nominal impedance [Ω]	
Enclosure type (Sealed – Vented – Passive radiator, …)	
Useful bandwidth (on axe, -3dB [Hz])	
Power handling (standard AES:2012 [W])	

T&S

Parameter	Unit	Target value	Tolerance
Fs	[Hz]		
Mms	[g]		
Bl	[N/A]		
Re	[Ω]		
Qms	[%]		
Qts	[%]		
SPL	[dB/2,8V/1m]		

Non-linearity

Bl(X) nominal value à 80% [+/-mm]	
Cms(X) nominal value à 50% [+/-mm]	
Le(X) nominal value à 80% [+/-mm]	

Frequency response

Cone break-up minimal frequency [Hz]	
Cone break-up maximal amplitude [dB]	

Construction

Part name	Material required	Notes	Alternative
Frame			
Cone			
Dust cap			
Surround			
Voice coil former			
Voice coil wire			
Spider			
Pole piece			
Magnet			
Terminal			

	Document type
Template edition: 4.1	Project brief (loudspeaker)
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