LOUDSPEAKER TECHNICAL BRIEF

Transducer reference	

Overview

Brand name	
Targeted market (HiFi, Monitoring, PA, Car…)	
Targeted release date	
Products Line-up (Yes / No)	
Targeted PO quantity per year	
Targeted price per unit [€ - without VAT - EXW]	
Budget for development (Engineering / Tooling)	
Exclusive property (Yes / No)	

Loudspeaker description

Loudspeaker type (Woofer, Subwoofer, Midrange, …)	Woofer
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/2,83V/1m]		

Non-linearity

Bl(X) nominal value à 80% [+/-mm]	
Kms(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 (To be filed only if you need specific material)

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