FerroTec Loudspeaker information sheet

Name		Phone	
Company		Fax	
Street		State	
ZIP/City		eMail	

Driver identification | Driver type: subwoofer

Type of Application

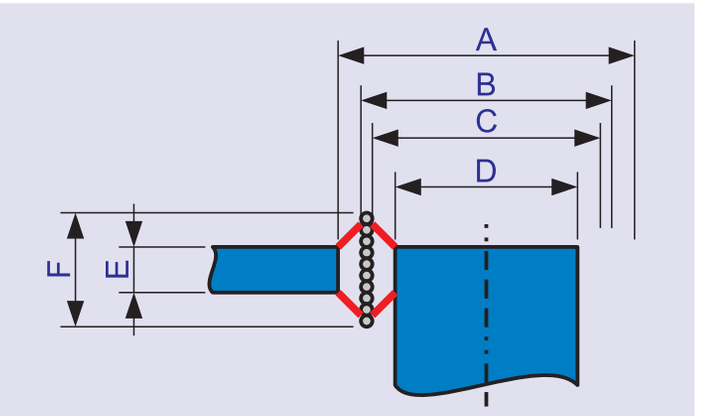
Damping	
Heat transfer	
Distortion	
Other	

Operating Parameters

Power rating [W]		
Frequency range [Hz]		to
Voice coil excursion P-P [mm]		
Environment humidity [%]		

Mechanical design Parameters [mm]

outer face plate diameter (A)	
outer voice coil diameter (B)	
inner voice coil diameter (C)	
inner pole piece diameter (D)	
face plate thickness (E)	
winding height (F)	



Other design Parameters

flux density in air gap [T]	
resonance freq. [Hz]	
Collar material	
surface finish of front plate	
Venting hole present at	

Qualiy factors

	present	desired
Qe		
Qm		
Qt		

moving mass [g]

calculation results

Recommended volume [µl]:		Recommended ferrofluid viscosity [mPas:] (requires mechanical Q factors, moving mass and resonance frequency)	
thermal gap surface [mm²] (transition to pole plate)		Temperature diff. in ferrofluid [K] (assumes fluid conductivity = 150mW/m/K)	
max shear velocity [m/s]			
av. gap width/length [mm] (exposed to ambient)			

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