

Name	Phone
Company	Fax
Street	State
ZIP/City	eMail

### Driver identification

### Driver type

#### 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)

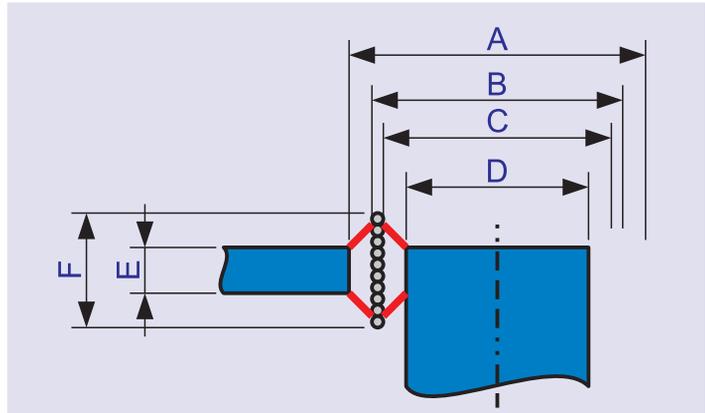
outer voice coil diameter (B)

inner voice coil diameter (C)

inner pole piece diameter (D)

face plate thickness (E)

winding height (F)



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#### Other design Parameters

flux density in air gap [T]

resonance freq. [Hz]

Collar material

surface finish of front plate

Venting hole present at

#### Quality factors

present                      desired

Qe                              Qe

Qm                              Qm

Qt                              Qt

moving mass [g]

### calculation results

Recommended volume [ $\mu$ l]:

Recommended ferrofluid viscosity [mPas:]  
(requires mechanical Q factors, moving mass and resonance frequency)

thermal gap surface [mm<sup>2</sup>]  
(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)

**Usage:** to fill in this form you need Acrobat Reader with ECMAScript plugin. Fill in all fields. You may print the form. Saving the document requires full Acrobat version. Alternatively you may use the "send" button on the bottom left side. This should open your mail client with a file attachment in fdf format, that you can send to Ferrotec.

