

Inductit[®] Design Form

Contact information

Company _____
 Contact name _____
 Telephone _____
 Email _____

Address _____

Application

Type: _____
PV Inverter, motor drive...

Operating voltage [V]: _____

Insulation requirements: _____
Between coil and core - e.g.: Withstand test AC 3.6 kV, 60 s

Operating base current: AC DC

Physical data

Max inductor height [mm]: _____

Max inductor diameter [mm]: _____

One coil:



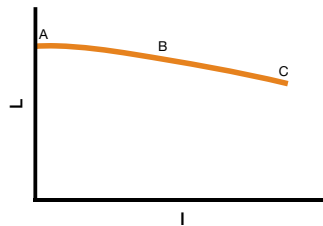
Two coils:



When two coils, enter inductance, losses and/or R_{DC} for the coils in series

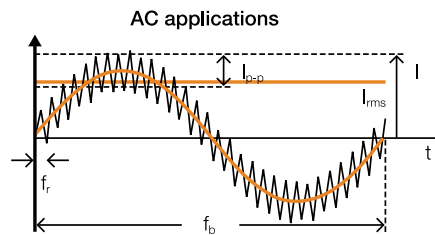
Inductance

Point	I [A]*	L [μ H]
A		
B		
C		



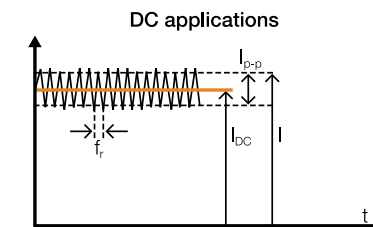
Operating current

Nom. current I_{DC}/I_{rms} [A]	
Ripple current I_{p-p} [A]	
Freq. base f_b current [Hz]	
Freq. ripple f_r current [kHz]	



Other requirements

Total loss [W]	(Max)
R_{DC} [m Ω]	(Max)
Surface temperature increase [°C]	(Max)
Temperature class	<input type="checkbox"/> <B <input type="checkbox"/> B (130°C) <input type="checkbox"/> F (155°C) <input type="checkbox"/> H (180°C)



Objective/Volume

Design objective 1: Cost Efficiency Inductor diameter Inductor height Inductor volume/mass

Design objective 2: Cost Efficiency Inductor diameter Inductor height Inductor volume/mass

Est. volume/year [n]: _____

Est. start of prod.: _____

Other requirements