

NOTE: The yellow fields contain basic information. Please fill in all available data.
The white fields contain additional background information.

Company name:					Contact person:	
Address:					Tel.:	
		<input type="checkbox"/> New project <input type="checkbox"/> Replacement for:			E-Mail:	
Application (please specify in more detail):	<input type="checkbox"/> SMPS/UPS: <input type="checkbox"/> Drives/Inverter: <input type="checkbox"/> Solar/Photovoltaic: <input type="checkbox"/> Welding: <input type="checkbox"/> Other:			Power: kW	Date:	
					Project name(s), description:	
Expected annual usage [pcs.]:	Year 1	Year 2	Year 3	Year 4	Target price [€]:	
					Product life cycle [years]:	
Sample quantity:	pcs.	Sample date:			SOP:	

Operational Characteristics

Number of windings:		System voltage:	V <input type="checkbox"/> RMS <input type="checkbox"/> DC
Nominal load current:	A (RMS or DC)		OVCat. ¹⁾ :
Overload current:	A for s	Working voltage:	V <input type="checkbox"/> RMS <input type="checkbox"/> DC
Nominal impedance:	Ω @ kHz	Pollution degree (typ. 2):	
Nominal inductance:	mH @ kHz	Max. ambient temperat.:	
	mH @ kHz	Max. operational temp.:	
Switching frequency:	kHz	Cooling mechanism: <input type="checkbox"/> Convection	
Max. Common Mode Current: (leak. curr. / unbalanced current / noise)	mA @ LF (<20kHz)	Forced cooling F an: <input type="checkbox"/> m/s	
	mA @ kHz	Heat sink: <input type="checkbox"/> K/W	
Leakage inductance:	μ H	Copper resistance R _{Cu} :	
Results from own tests: Core:		Casing construction:	
	No of turns:	Design: upright <input type="checkbox"/> low profile <input type="checkbox"/>	
(Number of strands) × Ø _{Cu} :	× mm	PTH <input type="checkbox"/> SMD <input type="checkbox"/> Cable Lugs <input type="checkbox"/>	
Max. dimensions: W × D × H:	× × mm	Pinning already fixed: <input type="checkbox"/> yes <input type="checkbox"/> no	

¹⁾ typically: Overvoltage Category 3 = connected to mains, Overvoltage Category 2 = not connected to mains

Additional Specifications

Electrical standards:	<input type="checkbox"/> IEC 62109	<input type="checkbox"/> EN 61800	<input type="checkbox"/> UL	<input type="checkbox"/> other:	<input type="checkbox"/> none	For EN50178 please use separate checklist
Environmental demands:	Vibration:		Humidity:		Dust:	
QM-Requirement:	<input type="checkbox"/> ISO 9001	<input type="checkbox"/> TS16949	<input type="checkbox"/> Others:			

Filter Design:

Filter:	1-stage <input type="checkbox"/>	2-stage <input type="checkbox"/>	multi-stage <input type="checkbox"/> (No. of stages:)
Schematic:	draft on page 2 <input type="checkbox"/> s		eparate attachment <input type="checkbox"/>



CMC Design Checklist

November 2019

Further comments:

Draft of filter schematic: