



Technical Inquiry Transformer

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Application SIC: YES NO

General information (the correct one has to be marked or rather added)

Company Customer		Quantity / year		Target price	
Contact person Customer		Delivery date Prototype		SOP	
Market segment	Industrial	Rail	Medical	Renewable Energy	Others

Transformer (the correct one has to be marked or rather added)

Transformer type:					

Topology:	Hard-switching	Resonant transformer	Phase-Shift		
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Primary connection:					

Secondary connection:					

Voltage form	sine	rectangular	trapeze		
Current form	sine	rectangular	trapeze		

Frequency (f)		kHz / Hz	fmin:		fmax:	
Power (P)		kW	Pmin:		Pmax:	
Turn / ratio (prim/sec)						
Primary voltage (Uprim)		V	Uprim,min		Uprim,max	
Secondary voltage (Usec)		V	Usec,min		Usec,max	
Primary current (Iprim)		A	Iprim,min		Iprim,max	
Secondary current (Isec)		A	Isec,min		Isec,max	
Voltagetime area (JUdt)		mVs				
Others						

Engineer standards (the correct one has to be marked or rather added)

Applicable engineer standard?	EN				
Rated insulation voltage <small>(The highest voltage potential that appear to the insulation system)</small>	Um =	V			
Insulation test voltage		kV			
UL listed materials necessary?	Yes / No				
Insulation	Basic / Double				
Clearance cl		mm			
Creepage distance cr		mm			
Partial-discharge extinction voltage	TE_ aus > [V_rms]		at Q < [pC]		

Ambient conditions (the correct one has to be marked or rather added)

Ambient temperature	from [°C]		to [°C]		
Cooling type	natural convection	forced air cooling ___ m/s	mounted on cold plate with Tmax = ___ °C		
Required temperature class	B / F / H				
Required noise level	no requirement / yes		dB		
Required protection class (IP)	IP00	IP21	IP44	IP54	IP65 / IP66

Comments

Date + Signature					