Tamura Corporation

INDUSTRIAL TRANSFORMER/REACTOR DESIGN FORM

Company: _____ **TEL:** _____

Name: _____ **FAX:** _____

Title: _____ **E-MAIL:** _____

Quote: _____ **Prod. Location:** _____

Sample Qty: _____ **Date Req:** _____ **PP Date:** _____ **MP Date:** _____

Target Price: _____ **Per** _____ **Pcs** _____

Application:	**Inverter**	**Rectifier**	**Matching**	**Other**
		Single	Three	
Number of phases:				
Core structure:	3 limbs	5 limbs	2 limbs	shell
if three phase				
if single phase				
Nominal rating (in case primary and secondary ratings would be different indicate primary rating)		_____	kVA	
Nominal frequency:			Hz	± _____ Hz
Nominal primary voltage:		_____	**V**	_____ **%**
Taps (if required):		_____	**V**	
Nominal primary current (line):			**Arms**	
Nominal secondary voltage:		_____	**V**	
Taps (if required):		_____	**V**	
Nominal secondary current (line):		_____	**Arms**	

if many primaries or secondaries add, rows and indicate voltage and current for each of them and the contemporarily of functioning

Harmonics content (worst case)	frequency	**Hz**	current	**A (rms)**
Primary	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
Secondary	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____

Connection group (in letters) : _____

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Connection group schema (drawing):

Notes:

Series Impedance (if required):

Series Inductance seen from primary side (line): _____ mH ± _____ **%**

could be expressed in % but as primary and secondary ratings are sometimes different is preferably to indicate an inductance value

Magnetizing current (if required):

Magnetizing line current seen from primary side @ Vn: _____ A ± _____ **%**

Inrush current (if required):

Max inrush current on primary side (line) @ Vn: _____ A peak

Hi pot test:		_____ kV	*to core*
BIL (if required):		_____ kV (1.2/50µs)	winding/earth
BIL(if required):		_____ kV (1.2/50µs)	across terminals
Type of duty:		_____ ED %	
UL Electrical Insulation System Class:		_____ °C	
Temperature rise:		_____ °C	(average)
Ambient temperature:		_____ °C	
Type of cooling:		_____ (AN or AF)	
In case of AF:	air speed	_____ m/s	
or	air flow	_____ m3/h	
Overall dimensions:	WxDxH	_____ mm	
Winding losses (at 115°C reference, if specified):		_____ W	
No load losses @ Vn (if specified):		_____ W	
		ref only	
Safety Standards:		_____	