Self Inductance @ 100 kHz L(1-3) =706 uH +/- 5%

DC Resistance Rdc(1-3) <60 mOhm Rdc(5-7) <32 mOhm Rdc(10,11,12-8,9) <3.4 mOhm Rdc(13,14-10,11,12) <3.7 mOhm

Leakage Inductance @ 100 kHz Lk(1-3) <9.7 uH

Core - ETD29/16/10 N87 EPCOS
Bobbin -EE Horizontal 14 pin bobbin
Hi-potP-S 4000 Vac 1 Sec
P-Core 2000 Vac 1 Sec
S-Core 2000 Vac 1 Sec
Thermal Insulation Class: Class B

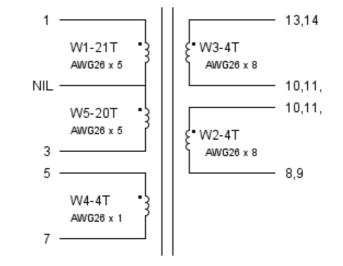
Remark -

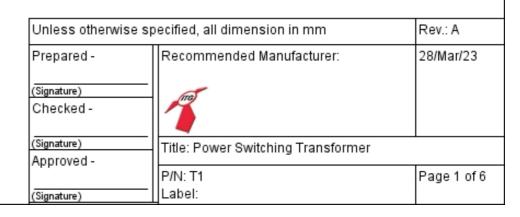
Represent Winding Phase
 Represent Tube

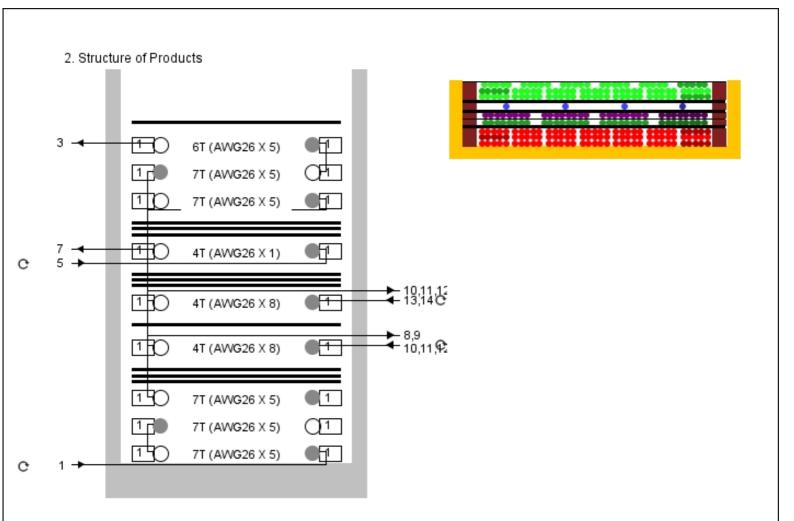
TIW - Triple Insulated Wire LITZ - Litz Wire

FIW - Full Insulated Wire
PVC - PVC Wire

1. Connection







3. No of Turns & Wire Spec

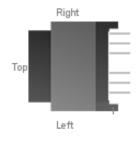
No	Pin No.	Turns	Wire	Rotation	Remarks
W1	1 -	7T + 7T + 7T	AWG26 X 5	Clockwise rotation	
W2	10,11,12 - 8,9	4T	AWG26 X 8	Clockwise rotation	
W3	13,14 - 10, 11,12	4T	AWG26 X 8	Clockwise rotation	
W4	5 - 7	4T	AWG26 X 1	Clockwise rotation	
W5	- 3	7T + 7T + 6T	AWG26 X 5	Clockwise rotation	

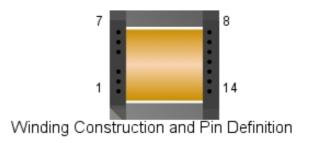
Tape: He = 19.5 mm, Th = 0.076 mm, 0.076 mm Kapton Tape Class H Tape ITG

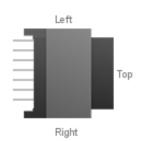
Unless otherwis	Rev.: A	
Prepared -	Recommended Manufacturer:	28/Mar/23
(Signature) Checked -	— (no	
(Signature) Approved -	Title: Power Switching Transformer	•
(Signature)	P/N: T1 Label:	Page 2 of 6

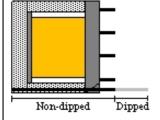


4. Illustrative Physical Image









Documents generated by www.powerEsim.com

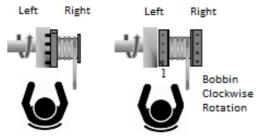


Unless otherwise specified, all dimension in mm Rev.:		
Prepared -	repared - Recommended Manufacturer:	
(Signature) Checked -		
(Signature) Approved -	Title: Power Switching Transformer	
(Signature)	P/N: T1 Label:	Page 3 of 6

Winding Details:

Winding	Winding Details	Turns	Terminate		Start position	Rotation Pos/Neg	Winding Property	ı	page (mm)	Partition	Fly Wire length
			Before Winding	After Winding	margin L/R (mm)			Left	Right		(mm)
Bobbin o	Bobbin cut pins										
W1	AWG26 Øcu=0.409 mm ×5 155deg UEW-155 Single Build Cu BCwire, Len = 0.895 m×5	7T 7T 7T	Pin 1	Nil	R (0) L (0) R (0)	Pos	Distributed	1	1		
	Tape - 3.25 turn(s), He = 19.5 mm, Th =	0.076	mm, 0.076	mm Kaptor	Tape Clas	s H Tape I	TG				
W2	AWG26 Øcu=0.409 mm ×8 155deg UEW-155 Single Build Cu BCwire, Len = 0.215 m×8	4T	Pin 10,11, 12	Pin 8,9	R (0)	Pos	Distributed	1	1		
	Tape - 1.25 turn(s), He = 19.5 mm, Th =	0.076	mm, 0.076	mm Kaptor	Tape Clas	s H Tape I	TG				
W3	AWG26 Øcu=0.409 mm ×8 155deg UEW-155 Single Build Cu BCwire, Len = 0.227 m×8	4T	Pin 13,14	Pin 10,11, 12	R (0)	Pos	Distributed	1	1		
	Tape - 3.25 turn(s), He = 19.5 mm, Th =	0.076	mm, 0.076	mm Kaptor	Tape Clas	s H Tape I	TG				
W4	AWG26 Øcu=0.409 mm × 1 155deg UEW-155 Single Build Cu BCwire, Len = 0.244 m × 1	4T	Pin 5	Pin 7	R (0)	Pos	Distributed	1	1		
	Tape - 3.25 turn(s), He = 19.5 mm, Th = 0.076 mm, 0.076 mm Kapton Tape Class H Tape ITG										
W5	AWG26 Øcu=0.409 mm ×5 155deg UEW-155 Single Build Cu BCwire, Len = 1.28 m ×5	7T 7T 6T	Nil	Pin 3	R (0) L (0) R (0)	Pos	Distributed	1	1		
	Tape - 1.25 turn(s), He = 19.5 mm, Th = 0.076 mm, 0.076 mm Kapton Tape Class H Tape ITG										

Remarks: Unless further declare, all pin terminates before/after the current winding.



Documents generated by www.powerEsim.com

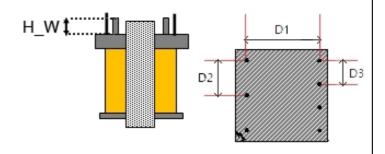


Unless otherwis	e specified, all dimension in mm	Rev.: A		
Prepared -	epared - Recommended Manufacturer:			
(Signature) Checked -				
(Signature) Title: Power Switching Transformer Approved -				
(Signature)	P/N: T1 Label:	Page 4 of 6		

Material List:

No.	Items	Materials	Suppliers/ Manufacturer	Class
1	Bobbin	EE Horizontal 14 pin bobbin Thickness: Upper 0.9 mm Lower 0.9 mm Left 0.9 mm		В
2	Core	ETD29/16/10 N87 EPCOS	EPCOS	
3	Wire BCwiff	OD=0.439 mm Øcu=0.409 mm AWG26 155deg 0.135 Ω/m UEW-155 Single Build Cu Magnet Wire BCwire , Usage = 14.6 m	BCwire	F
4	Varnish	Air Cured Class H ITG	ITG	Н
5	UL Insulation System P. LEO	Class B P. LEO	P. LEO	В
6	Tape 🎸	Height = 19.5 mm, Thickness = 0.076 mm, 0.076 mm Kapton Tape Class H Tape ITG	ITG	Н

Pin-to-core isolation wall's height (H_W): 0 mm
Distance Between Left and Right Pins at Bobbin (D1): 25.4 mm
Distance Between Left-side Pins at Bobbin (D2): 5.08 mm
Distance Between Right-side Pins at Bobbin (D3): 5.08 mm



Unless otherwise specified, all dimension in mm Rev.: A						
Prepared -	Recommended Manufacturer:					
(Signature) Checked -						
(Signature) Approved -	True. Fower Switching transformer					
Approved	P/N: T1					
(Signature)	Signature) Label:					



Manufacturer List

Manufacturer	Logo	Agent	Contact Person	Contact Detail
P. LEO Tape	BC _{tade} ™	HKC & Communication Ltd.	Ms. Karrie Pang	market@pleo.com Tel.: 852 2604 8222 Fax.: 852 2693 2093
RUBADUE	® ● ● RUBADUEWIRE			sales@rubadue.com Tel:+1-970-351-6100 Fax:+1-970-351-0355
ITG	(no)	ITG Electronics, Inc.		sales@ITG-Electronics.com
BCwire	BCwire*	HKC & Communication Ltd.	Ms. Karrie Pang	market@pleo.com Tel.: 852 2604 8222 Fax.: 852 2693 2093 Contact person : Mr. Ben Ho
P. LEO	P. LEO	HKC & Communication Ltd.	Ms. Karrie Pang	market@pleo.com Tel: 852 2604 8222 Fax: 852 2693 2093

Unless otherwise specified, all dimension in mm Rev.: A				
Prepared -	epared - Recommended Manufacturer:			
(Signature) Checked -				
(Signature) Approved -				
Approved	Page 6 of 6			
(Signature)	Label:			

