

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) <3.7 mOhm  
Rdc(13,14-10,11,12) <3.4 mOhm

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

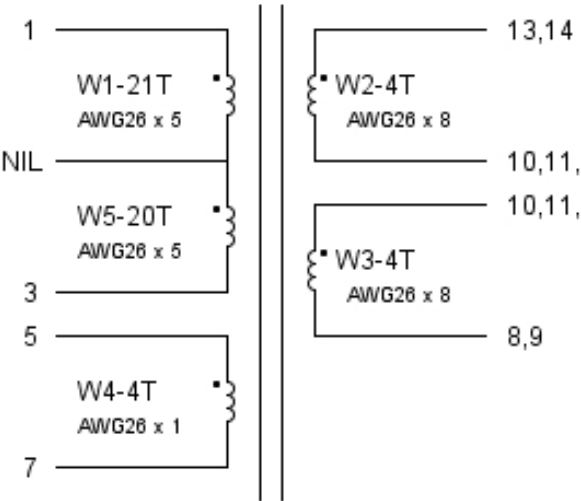
Core - ETD29/16/10 N87 EPCOS  
Bobbin -EE Horizontal 14 pin bobbin  
Hi-pot-  
P-S 4000 Vac 1 Sec  
P-Core 2000 Vac 1 Sec  
S-Core 2000 Vac 1 Sec  
Thermal Insulation Class: Class B


Remark -

- Represent Winding Phase
- ▭ Represent Tube

TIW - Triple Insulated Wire  
LITZ - Litz Wire  
FIW - Full Insulated Wire  
PVC - PVC Wire

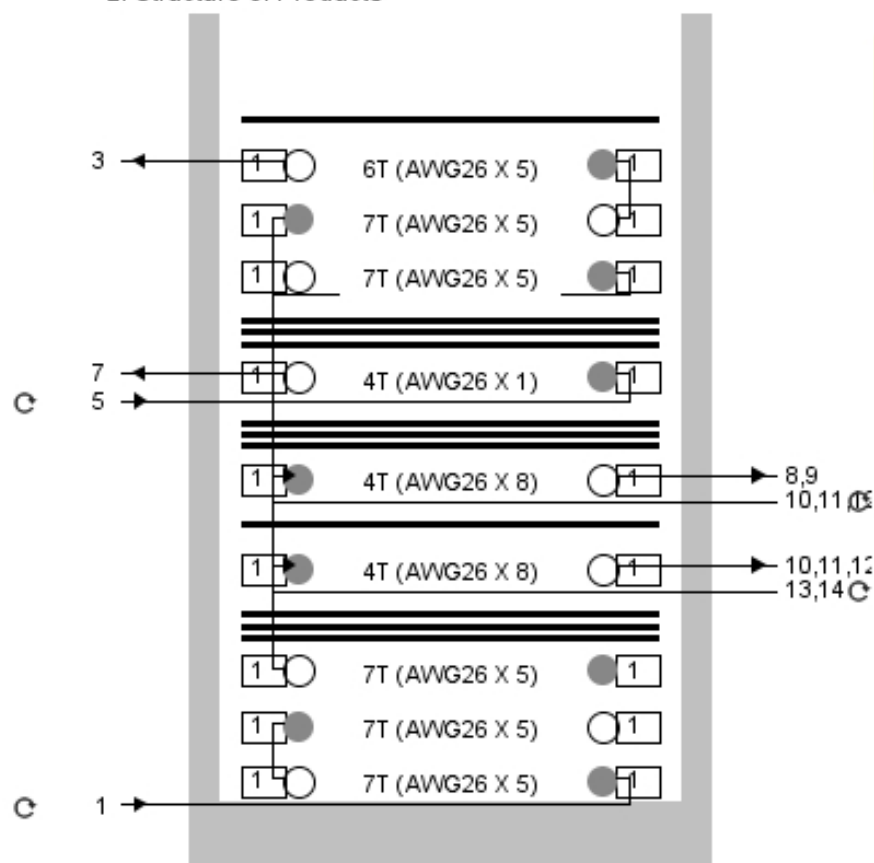
1. Connection



Unless otherwise specified, all dimension in mm		Rev.: A
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	P/N: T1 Label:	Page 1 of 6




## 2. Structure of Products



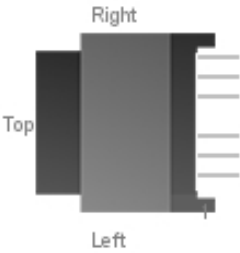
## 3. No of Turns & Wire Spec

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

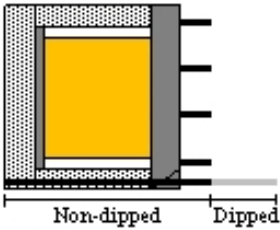
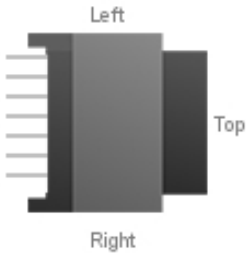
Tape: He = 19.5 mm, Th = 0.076 mm, 0.076 mm Kapton Tape Class H Tape ITG


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	P/N: T1 Label:	Page 2 of 6

4. Illustrative Physical Image



Winding Construction and Pin Definition

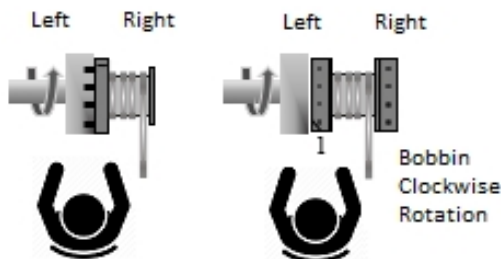



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	P/N: T1 Label:	Page 3 of 6

## Winding Details:





Winding	Winding Details	Turns	Pin	Pin	Start position margin L/R (mm)	Rotation Pos/Neg	Winding Property	Creepage Tape + Space (mm)		Partition	Fly Wire length (mm)
			Terminate Before Winding	Terminate After Winding				Left	Right		
Bobbin cut pins		Pin 4									
W1	AWG26 Øcu=0.409 mm x 5 155deg UEW-155 Single Build Cu BCwire, Len = 0.895 m x 5	7 T 7 T 7 T	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 Kapton Tape Class H Tape ITG											
W2	AWG26 Øcu=0.409 mm x 8 155deg UEW-155 Single Build Cu BCwire, Len = 0.215 m x 8	4 T	Pin 13,14	Pin 10,11, 12	L (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											
W3	AWG26 Øcu=0.409 mm x 8 155deg UEW-155 Single Build Cu BCwire, Len = 0.227 m x 8	4 T	Pin 10,11, 12	Pin 8,9	L (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											
W4	AWG26 Øcu=0.409 mm x 1 155deg UEW-155 Single Build Cu BCwire, Len = 0.244 m x 1	4 T	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 x 5 155deg UEW-155 Single Build Cu BCwire, Len = 1.28 m x 5	7 T 7 T 6 T	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.

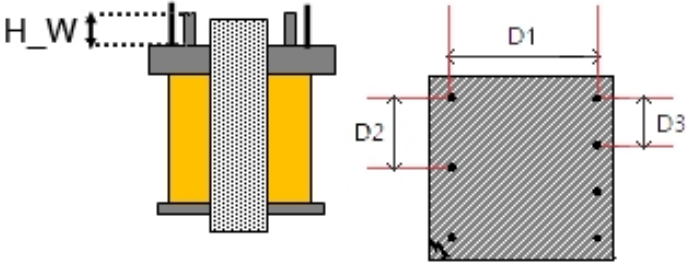



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	P/N: T1 Label:	Page 4 of 6

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		B
2	Core	ETD29/16/10 N87 EPCOS	EPCOS	
3	Wire 	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	H
5	UL Insulation System 	Class B P. LEO	P. LEO	B
6	Tape 	Height = 19.5 mm, Thickness = 0.076 mm, 0.076 mm Kapton Tape Class H Tape ITG	ITG	H


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



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# Manufacturer List

Manufacturer	Logo	Agent	Contact Person	Contact Detail
P. LEO Tape		HKC & Communication Ltd.	Ms. Karrie Pang	market@pleo.com Tel.: 852 2604 8222 Fax.: 852 2693 2093
RUBADUE				sales@rubadue.com Tel:+1-970-351-6100 Fax:+1-970-351-0355
ITG		ITG Electronics, Inc.		sales@ITG-Electronics.com
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		HKC & Communication Ltd.	Ms. Karrie Pang	market@pleo.com Tel: 852 2604 8222 Fax: 852 2693 2093

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	P/N: T1 Label:	Page 6 of 6

