

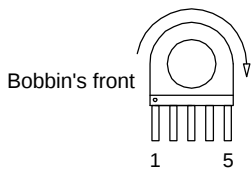
WINDING INSTRUCTION (see Note 1 for winding sense)

STEP	WINDING	MATERIAL	START	TURNS	FINISH	REMARK
1	N1	Ø 0.15 x1	1	46		Fill one layer (front to rear) (Notes 0.1, 3.3)
2	Tape	7mm wide		1		Insulation layer (Note 3.5)
3	N1	Ø 0.15 x1 B-note.3		46	2	Fill one layer (rear to front) (Notes 0.1, 3.3)
4	Tape	7mm wide		1		Insulation layer (Note 3.5)
5	N2	Ø 0.15 x1	4	10	3	Fill one layer (Notes 0.1, 3.3)
6	Tape	7mm wide		1		Insulation layer (Note 3.5)
7	N3	Ø 0.15 x1	1	46	x	Leave floating and buried inside the transformer (Notes 0.2, 3.3)
8	Tape	7mm wide		3		Triple insulation layer (Note 3.5)
9	N4	Ø 0.60 x1	8	3	6	wind from rear to front (Notes 2, 3.4)
10	N5	Ø 0.60 x1	6	2	9	wind from rear to front (Notes 2, 3.4)
11	N6	Ø 0.60 x1	9	2	10	wind from rear to front (Notes 2, 3.4)
12	Tape	7mm		3		Triple Insulation Layer (Note 3.5)
13						Assemble and glue halves
14	Copper	0.20x6mm Copper Foil		1		Place copper foil centered around transformer
15	Tape	9mm		3		Triple Insulation Layer (Note 3.5)

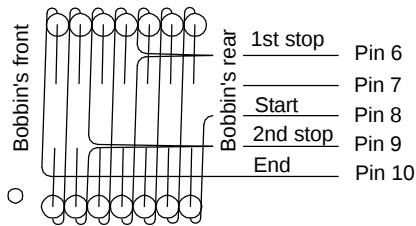
Note 0

- 1.- START & FINISH WIRE WITH TEFLON TUBE (Note 3.6).
- 2.- START WIRE WITH TEFLON TUBE (Note 3.6).

Note 1: WINDING SENSE: "front to rear" means from bobbin's front to bobbin's rear



Note 2: SECONDARIES WINDING DETAIL
BOTTOM VIEW: "rear to front" means from bobbin's rear to bobbin's front



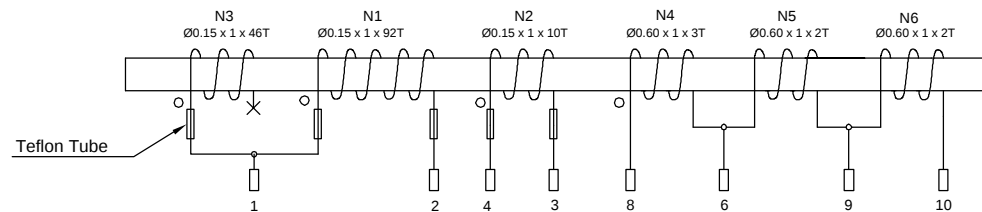
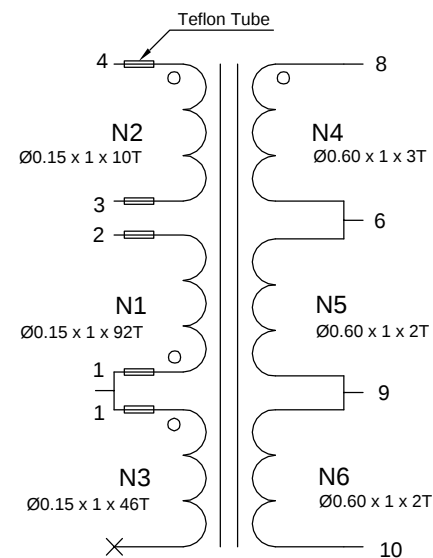
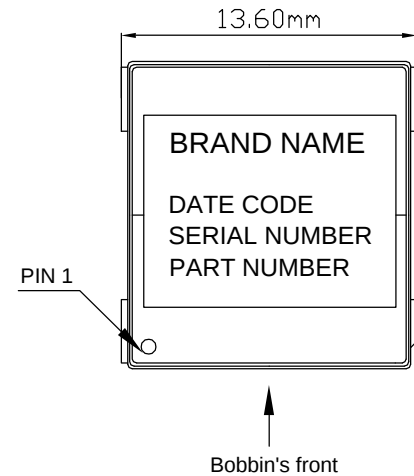
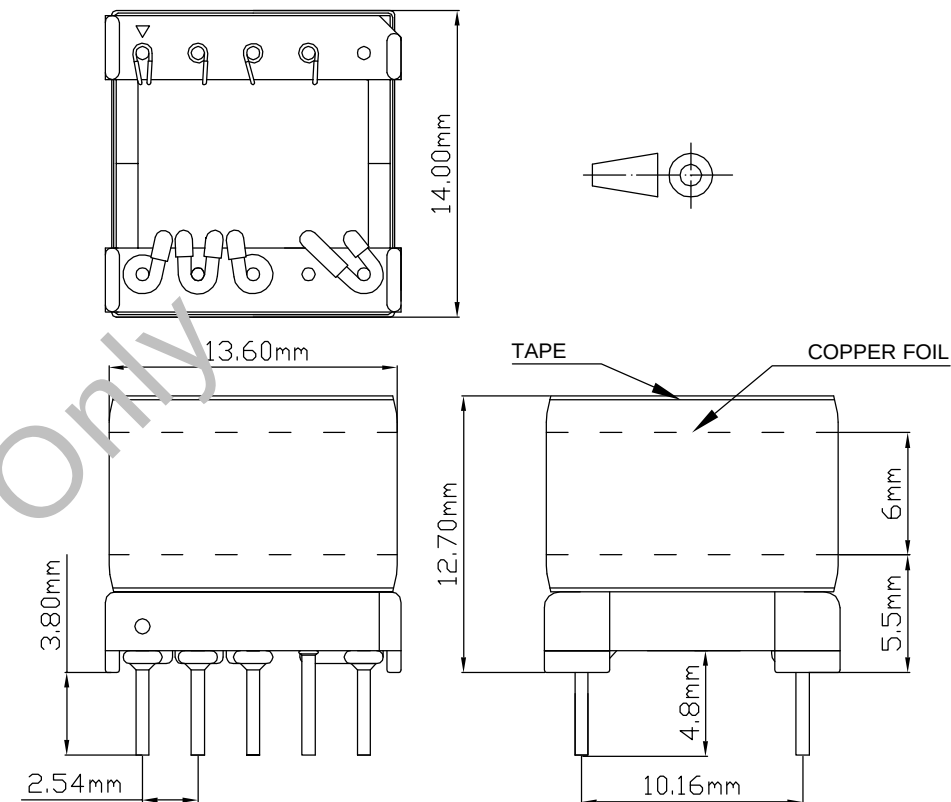
Top from this point of view (bottom of transformer)
Bottom from this point of view (top of transformer)

Note 3:

- 1.- BOBBIN: CSH-EP13-1S-10P(Ferroxcube)
- 2.- CORE: EP13-3F3-A100 (Ferroxcube)
TYPE EP13
MAGNETIC MATERIAL Ferroxcube 3F3
GAP 300 µm for AL = 100 nH/T²
- 3.- PRIMARY WIRE: Enamelled wire UL listed.
- 4.- SECONDARY WIRE: Triple insulated wire UL listed (Max. Ø ext 0.8mm).
- 5.- Insulation tape must be polyester type, flame retardant and UL listed.
- 6.- Teflon Tube must be UL listed.

ELECTRICAL CHARACTERISTICS: (AT 132KHz)

- 1.- L(1-2) 845uH ±5%
- 2.- LEAKAGE INDUCTANCE <40uH
- 3.- HI - POT: (50Hz 5mA 1min)
PRIMARY TO SECONDARY 3000VAC
PRIMARY TO CORE 3000VAC
SECONDARY TO CORE 1000VAC
- 4.- DCR (@25°C)
R(1-2) 2 ohms MAX
R(3-4) 23 mohms MAX
R(8-10) 10 mohms MAX



Itemref	Quantity	Title/Name, designation, material, dimension etc	Article No./Reference
Designed by J.M.Vidal	Checked by A.Poveda	Approved by - date F.J.Andres	File name .DWG
Date 16/02/05	Scale ---	Triple Output Power Transformer-EP13 Core-5W	
DS2		A26D10005-SP-01	Edition 0
			Sheet 1/1