

## Transformer Specifications –16 - 75211

Part No.: TRTP75211-A14-P

### Specifications:

1. Core Size – EFD15 (15x8x5)
2. Core Material – N87 or Equivalent
3. Core Make – Epcos or Equivalent
4. Bobbin – 8Pin – Horizontal Type (4 +4 pins), smaller Bobbin – **Pin to Pin 3.75mm and Opp. – 13.75mm**
5. Isolation – 3000 VAC

### Winding Details:

Winding	No. of Turns	Wire Gauge	Start Pin	End Pin	Inductance
W1	113	1 x 28 SWG	3	4	
W2	19	1 x 28 SWG	1	2	
	Primary Inductance		3	4	244uH +/- 5%

### Electrical Requirements:

1. Leakage Inductance (Pin 3-4) - 12uH (max) with all other windings/pins shorted.

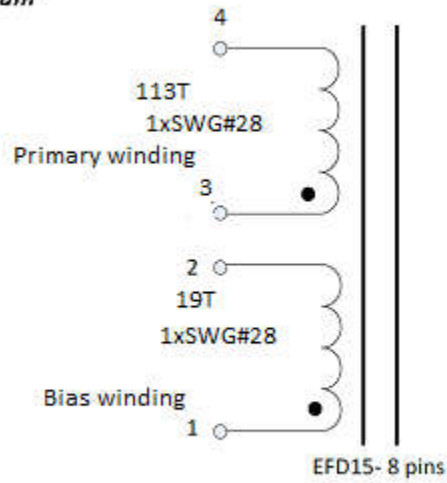
### Transformer Construction:

#### Winding Procedure:

1. Start on pin(s) 3 and wind 29 turns (x 1 filar). in 1 layer(s) from left to right. At the end of 1st layer, continue to wind the next layer 2<sup>nd</sup> layer 28 turns from right to left. At the end of 2nd layer, continue to wind the next layer 3<sup>rd</sup> layer 28 turns from left to right. At the end of 3<sup>rd</sup> layer, continue to wind next layer 4<sup>th</sup> layer 28 turns from right to left. On the final layer, spread the winding evenly across entire bobbin. Finish this winding on pin(s) 4.
2. Add 1 layers of tape, for insulation.
3. Start at pin no 1 and wind 19 turns in 1 layer from left to right end to pin no 2.
4. Add 3 layers of tape, for insulation.
5. Assemble and secure core halves.
6. Dip varnish uniformly. Do not vacuum impregnate.

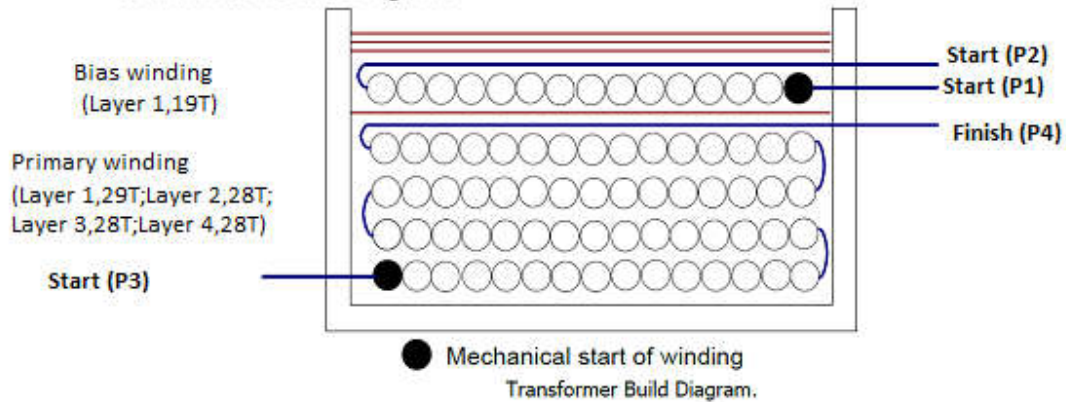
## Transformer Specification

### Electrical Diagram



Inductor Electrical Diagram.

### Transformer Build Diagram



Transformer Build Diagram.