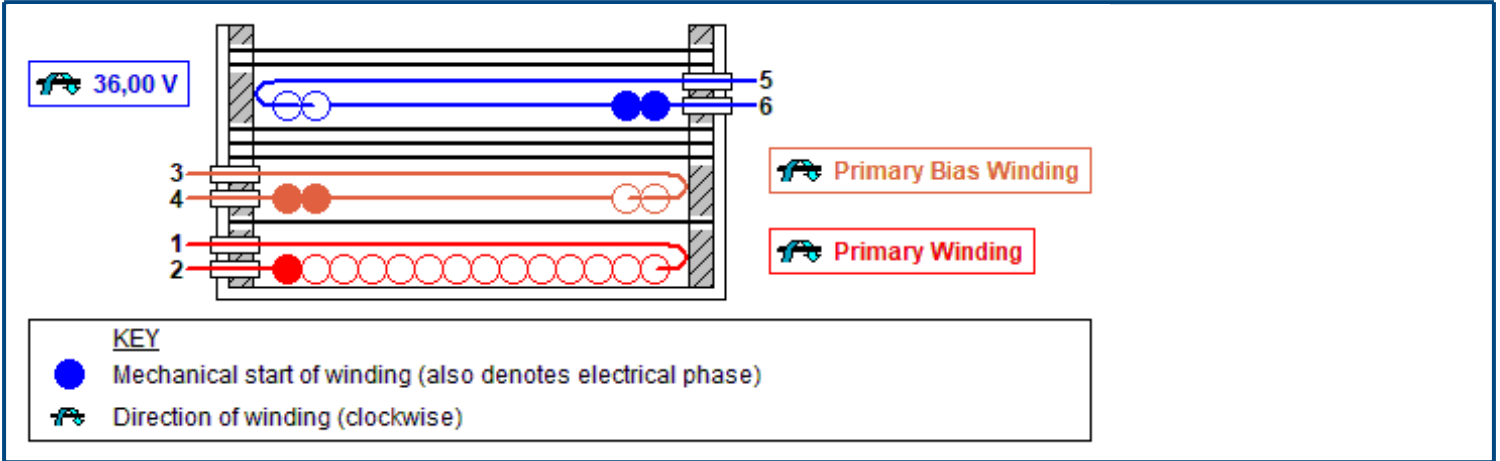




Mechanical Diagram



Winding Instruction

Use 0,10 mm margin (item [3]) on the left side. Use 0,10 mm margin (item [3]) on the right side.

Primary Winding
 Start on pin(s) 2 using item [5] at the start leads and wind 36 turns (x 1 filar) of item [7]. in 1 layer(s) from left to right. Winding direction is clockwise. On the final layer, spread the winding evenly across entire bobbin. Finish this winding on pin(s) 1 using item [5] at the finish leads.
 Add 1 layer of tape, item [4], for insulation.

Primary Bias Winding
 Start on pin(s) 4 using item [5] at the start leads and wind 7 turns (x 2 filar) of item [8]. Winding direction is clockwise. Spread the winding evenly across entire bobbin. Finish this winding on pin(s) 3 using item [5] at the finish leads.
 Add 3 layers of tape, item [4], for insulation.

Secondary Winding
 Start on pin(s) 6 using item [5] at the start leads and wind 12 turns (x 2 filar) of item [9]. Spread the winding evenly across entire bobbin. Winding direction is clockwise. Finish this winding on pin(s) 5 using item [5] at the finish leads.
 Add 2 layers of tape, item [4], for insulation.

Core Assembly
 Assemble and secure core halves. Item [1].

Varnish
 Dip varnish uniformly in item [6]. Do not vacuum impregnate.

Materials

Item	Description
[1]	Core: EI40, 3F3, gapped for ALG of 279 nH/T ²
[2]	Bobbin: Generic, 4 pri. + 2 sec.
[3]	Tape: Polyester web 0,10 mm wide
[4]	Barrier Tape: Polyester film [1 mil (25 µm) base thickness], 17,30 mm wide
[5]	Teflon Tubing # 22
[6]	Varnish
[7]	Magnet Wire: 26 AWG, Solderable Double Coated
[8]	Magnet Wire: 25 AWG, Solderable Double Coated
[9]	Magnet Wire: 24 AWG, Solderable Double Coated

Electrical Test Specifications

Parameter	Condition	Spec
Electrical Strength, VAC	60 Hz 1 second, from pins 1,2,3,4 to pins 5,6.	3000
Nominal Primary Inductance, µH	Measured at 1 V pk-pk, typical switching frequency, between pin 1 to pin 2, with all other Windings open.	365
Tolerance, ±%	Tolerance of Primary Inductance	10,0
Maximum Primary Leakage, µH	Measured between Pin 1 to Pin 2, with all other Windings shorted.	10,94

Although the design of the software considered safety guidelines, it is the user's responsibility to ensure that the user's power supply design meets all applicable safety requirements of user's product.

The products and applications illustrated herein (including circuits external to the products and transformer construction) may be covered by one or more U.S. and foreign patents or potentially by pending U.S. and foreign patent applications assigned to Power Integrations. A complete list of Power Integrations' patents may be found at www.power.com.