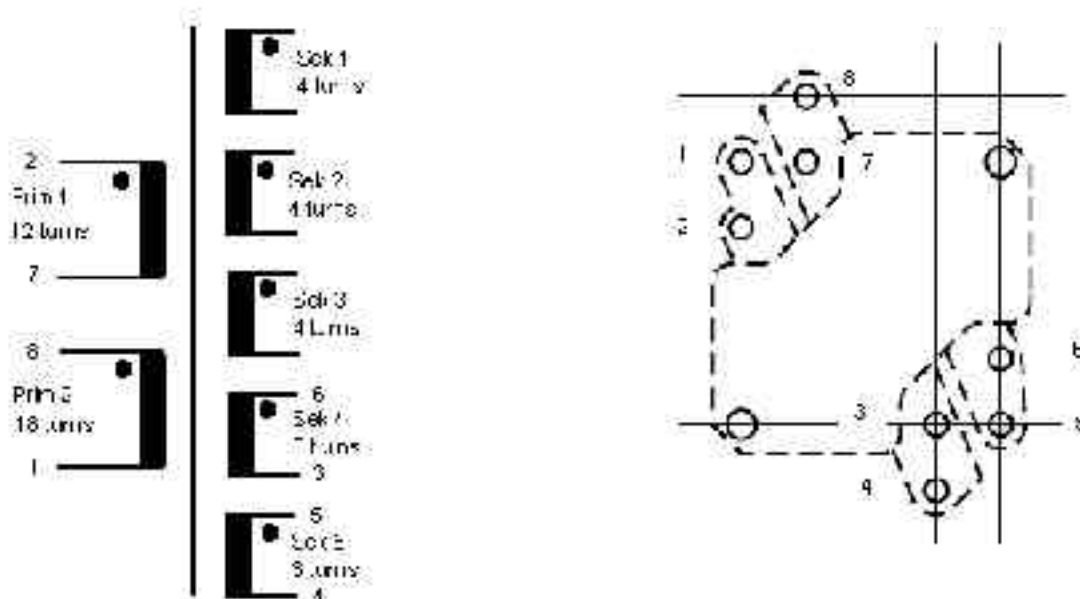


RM5-Flyback Transformer for Gen2

$L_{prim}=115\mu H$ (2 => 1, both in series), RM5, N49, s =0.15mm View from top



Definition of winding directions

Clockwise = cw : Leading the wire from 2 ==> 7 ==> 6 ==> 3

Counter clockwise = ccw : Leading the wire from 2 ==> 3 ==> 6 ==> 7

Construction of windings

Step	Name	Dir	Start	End	Wire	Description
1	Prim 1	ccw	2	7	3x 0.1 CuL	Lead wire up first, cover with epoxy, wind down 12 turns in one layer.
Tape	TapeTapeTa	TapeTa	TapeTa	TapeTa	TapeTapeTapeTapeTap	TapeTapeTapeTapeTapeTapeTapeTapeTapeTapeTapeTap
2	Sek 1 & Sek 2 & Sek 3	ccw	wires	wires	Each: Tefzel AWG 30	Lead into bobbin from bottom, between Pin 3 & 6. Fixation with epoxy. Trifilar & twisted. 4 turns. Lead out on top.
3	Sek 4	ccw	6	3	3x 0.1 CuL	Wind 3 turns in the hollows of the trifilar twisted winding.
4	Sek 5	ccw	5	4	3x 0.1 CuL	Wind 3 turns in the hollows of the trifilar twisted winding.
Tape	TapeTapeTa	TapeTa	TapeTa	TapeTa	TapeTapeTapeTapeTap	TapeTapeTapeTapeTapeTapeTapeTapeTapeTapeTapeTap
V	Prim 2	ccw	8	1	3x 0.1 CuL	Wind 18 turns in two layers.
Cover	Cover tape	Cover tape	Cover	Cover tape	Cover tape Cover tape	Cover tape Cover tape Cover tape Cover tape Cover tape