

## Transformer Construction Parameters



Var	Value	Units	Description
Core Type	E135		Core Type
Core Material	NC-2H (Nicera) or Equivalent		Core Material
Bobbin Reference	Generic, 5 pri. + 2 sec.		Bobbin Reference
Bobbin Orientation	Horizontal		Bobbin type
Primary Pins	5		Number of Primary pins used
Secondary Pins	2		Number of Secondary pins used
ML	0,00	mm	Safety Margin on Left Width
MR	0,00	mm	Safety Margin on Right Width
LG	0,309	mm	Estimated Gap Length

## Bias Variables

Var	Value	Units	Description
NB	17		Bias Winding Number of Turns
Wire Size	28	AWG	Wire size of Bias windings
Winding Type	Bifilar (x2)		Wire type of Bias windings
Layers	0,79		Bias Winding Layers
Start Pin(s)	5		Starting pin(s) for Bias winding
Termination Pin(s)	4		Termination pin(s) for Bias winding

## Primary Winding Section 1

Var	Value	Units	Description
NP1	32		Rounded (Integer) Number of Primary winding turns in the first section of primary
Wire Size	24	AWG	Wire size of primary winding
Winding Type	Bifilar (x2)		Primary winding number of parallel wire strands
L	2,31		Primary Number of Layers
Start Pin(s)	3		Starting pin(s) for first section of primary winding
Termination Pin(s)	2		Termination pin(s) for first section of primary winding

## Primary Winding Section 2

Var	Value	Units	Description
NP2	31		Rounded (Integer) Number of Primary winding turns in the second section of primary
Wire Size	24	AWG	Wire size of primary winding
Winding Type	Bifilar (x2)		Primary winding number of parallel wire strands
L2	2,24		Primary Number of Layers in 2nd split winding
Start Pin(s)	2		Starting pin(s) for the second section of primary winding
Termination Pin(s)	1		Termination pin(s) for the second section of primary winding

## Output 1

Var	Value	Units	Description
VO	34,00	V	Output Voltage
IO	1,00	A	Output Current
VOUT_ACTUAL	34,00	V	Actual Output Voltage
NS	27		Secondary Number of Turns
Wire Size	25	AWG	Wire size of secondary winding
Winding Type	Single (x1)		Output winding number of parallel strands
L_S_OUT	1,12		Secondary Output Winding Layers
Start Pin(s)	7		Starting pin(s) for Output winding
Termination Pin(s)	6		Termination pin(s) for Output winding