

Specifications

Freq (Hz)30Watts1SE

Primary100000100 Vrms2 sect. in serie by1 in //Equal

Wires in // per section

Secondary103.2 Vrms2 sect. in serie by1 in //Split

Wires in // per section1

Copper (Cu)

Turns per Volt20.82Pri L (Hy)320.7Bobbin deepth (mm)8

Amp/mm²3Total Hcu (mm)2.2

ComputedActualTurnsLength(M)RWeightHcu (mm)IL Thick

0.070.082082262971.21121.130

Turns per layerMax:233Actual:2080

0.370.5658.78141.09

Turns per layerMax:47Actual:330

Cu losses (W@40°C) Tot:0.2AC only:0.2(17.5%)(0.8dB)

Windings (Wires xTurns / Layers ResFrequency)

520 / 3 130 KHz	33 / 1	1041 / 5 109 KHz	33 / 1	520 / 3 130 KHz
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Iron (Fe)

NameE160-21Isolectra

AF_e (cm²)3.99

mFe (Kg)0.366

MPL (cm)12

B DC (Tesla)0.

B AC (Tesla)0.9

B Total0.9

μ (Approx)22252

Fe losses(W)0.1

J10 704

J10 2xw

J10 63598

EI30-10

M42-085

EI42-14.8Isolectra

EI48-16Cartoplast

EI48-16.8Isolectra

EI48-20Cartoplast

EI54-18.8Isolectra

EI48-25Cartoplast

EI60-21Isolectra

Sort by Name

Sort by AFe

Edit hilighted

M6x0

FA30

NI

M6x

M6x1

Std

Inter windings insulation

Thickness (mm)

Max allowed:1.40

Actual0.4

Dielectric K3

Shunt Cap437 pF

Leak L:4.1 mH

Fo118 Khz

Q?16

Plot parameters

Z source1000R

V source1001.0 W

Z load10R

IDC0Gap(mm)0

Frequency:10.

B2.7

Mu466

LPri6.7

ZL14.4

Gain-14.3dB-7.5dB

Phase130.1



10	3x173(520) turns 0.08 mm dia.
	MylarCellite: 0.4 mm
7	1x33(33) turns 0.5 mm dia.
	MylarCellite: 0.4 mm
6	5x208(1041) turns 0.08 mm dia.
	MylarCellite: 0.4 mm
3	1x33(33) turns 0.5 mm dia.
	MylarCellite: 0.4 mm
2	3x173(520) turns 0.08 mm dia.