

Specifications

Freq (Hz)

50

Watts

50

SE

☐

Z

Ip 0

Primary

3500

.05

418 Vrms

2 sect. in serie by

1

in //

Equal

Secondary

16

28.3 Vrms

2 sect. in serie by

1

in //

Split

Wires in // per section

1

Copper (Cu)

Turns per Volt

4.07

Pri L (Hy)

352.7

Bobbin deepth (mm)

13.8

Amp/mm²

3

Total Hcu (mm)

9.7

Dia (mm)

Computed

Actual

Turns

Length(M)

R

Weight

Hcu (mm)

IL Thick

0.27

0.3

1703

347

91.46

219

5.46

Turns per layer

Max:

129

Actual:

121

.05

0.87

1

115

23

.56

164

4.25

Turns per layer

Max:

41

Actual:

29

0

Cu losses (W@40°C) Tot:

4.4

AC only:

3.

(6.1%)

(0.3dB)

Windings

426 / 4

58 / 2

852 / 7

58 / 2

426 / 4

Inductance:

25.3 mH

D. capacitance:

77 pF

Resonant Freq:

114.4 KHz

Width

1

Dia

1

Thick

1

Iron (Fe)

Name

EI96-35Cartoplas

AFe (cm²)

10.64

mFe (Kg)

1.56

MPL (cm)

19.2

B DC (Tesla)

0.

B AC (Tesla)

1.04

B Total

1.04

μ (Approx)

21947

Fe losses(W)

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

Std

Gap (mm)

0

Inter windings insulation

Thickness (mm)

Max allowed:

0.97

Actual

.4

Dielectric K

3

Shunt Cap

595 / 595 pF

Leak L:

10.8 mH

Fo

63 Khz

Q

1.44

16

V source

418

49.92 W

Z source

3500R

Z load

8R

Frequency:

20.8K

B

0.

Mu

189

LPri

3.

ZPri

2.5K

Gain

-12.4dB

-0.2dB

Phase

-25.2