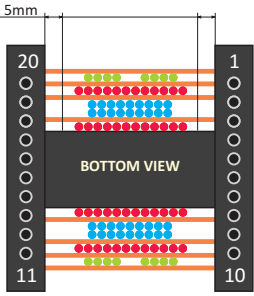


Quasar SMPS

rev.2

transformer specifications



5mm

20

1

11

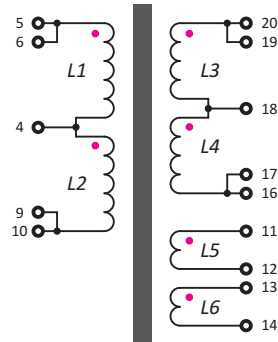
10

BOTTOM VIEW

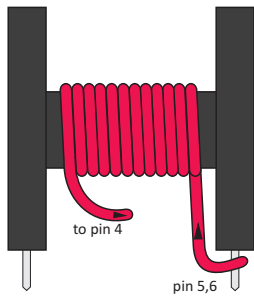
Ferrite core & coilformer = ETD49

Litzwire = 120 x 0,1mm
or
CuEm = 1,9 mm

Expected voltages:
Vout = +/- 50v
Vaux = +/-15v



1

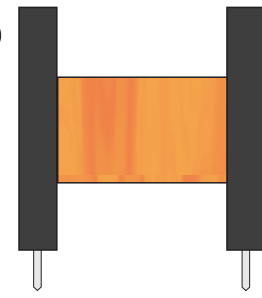


to pin 4

pin 5,6

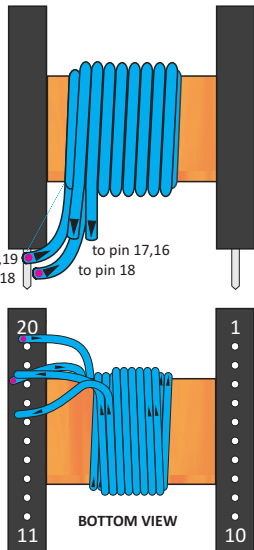
1st ½ primary winding (L1)
single wire starts **from** (pin5-6) **to** (pin4), counter clockwise, 12 turns compact.

2



wax paper isolation, 2 turns

3



pin 20,19
pin 18

to pin 17,16
to pin 18

20

1

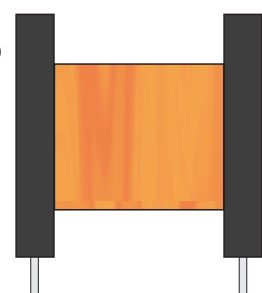
11

10

BOTTOM VIEW

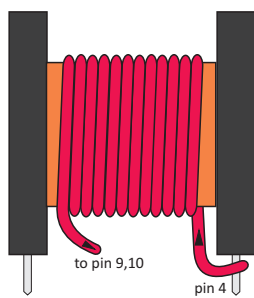
2 secondary windings (L3, L4)
for Vout
two wires start **from** (L3 at pin 20-19 & L4 at pin 18) **to** (L3 at pin 18 & L4 at pin 17-16), counter clockwise, 9 turns compact.

4



wax paper isolation, 2 turns

5

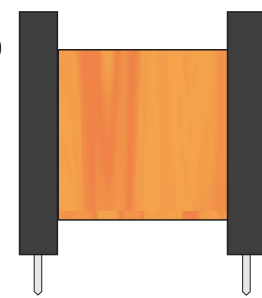


to pin 9,10

pin 4

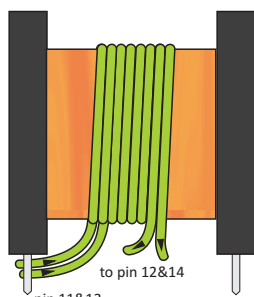
2nd ½ primary winding (L2)
single wire starts **from** (pin 4) **to** (pin 9-10), counter clockwise, 12 turns compact.

6



wax paper isolation, 2 turns

7

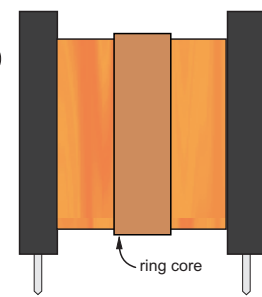


to pin 12&14

pin 11&13

2 secondary windings (L5-L6)
for Vaux
two wires start **from** (L5 at pin11 & L6 at pin 13) **to** (L5 at pin 12 & L6 at pin14), counter clockwise, 4 turns compact.

8



wax paper isolation, 2 turns

external copper-ring, thickness 0,2 - 0,3 mm

ring core