Mains Transformer

Type: **15V-CT-100VA-DW-080-37009-0A**

CASA

General Data

Brand: NA (Japan)

Model: 080-37009-0A
OEM: 080-37009-0A

Input: 200~230Vac 50~60Hz (tapped)

Output: 7.5V-0-7.5V @ ~6.0 Amps (Open circuit) +21V @ 0.5A
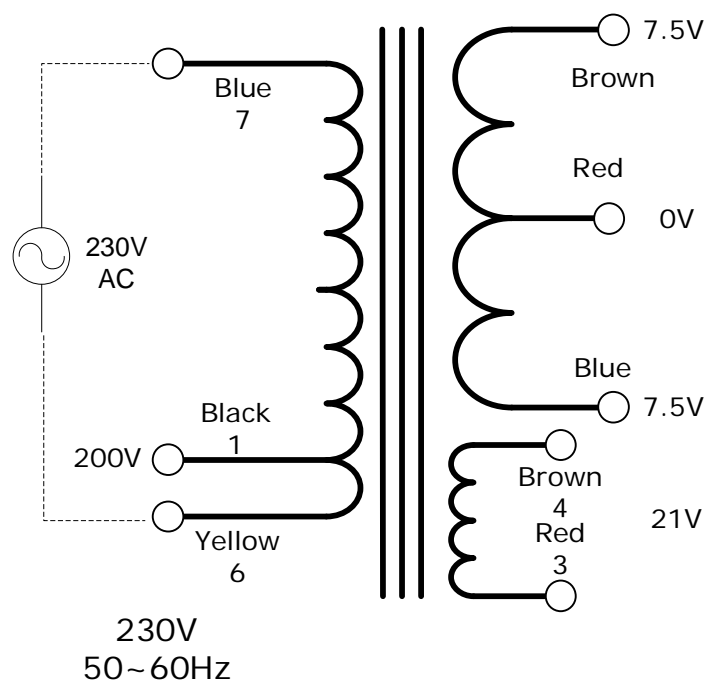**Power:** 100VA (estimated)

Size: 96x90x80mm

Weight: 2.49kg

Fixing: 2x M4 holes 97mm centres

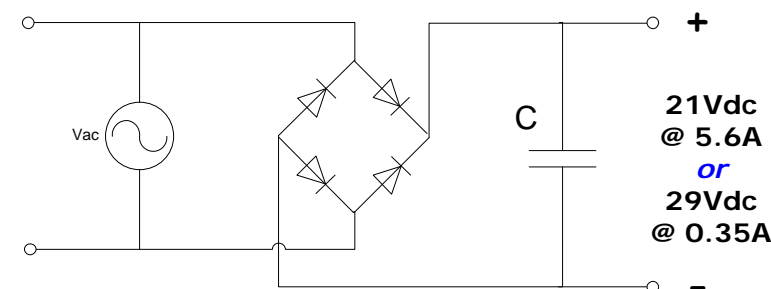**Condition:** used/refurbished - as removed from an operational UPS.

Comments: 600VA UPS inverter transformer. (Mustek?)

080-37009-0A

230V AC

230V 50~60Hz

Blue 7

Black 1

200V

Yellow 6

7.5V Brown

Red 0V

Blue 7.5V

Brown 4

Red 3

21V

Optional Rectifier Assembly

Vac

C

+

21Vdc @ 5.6A
or
29Vdc @ 0.35A

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Basic Un-Regulated DC PSU – Quick Calculator

$$C = (I \times 80{,}000) / Vdc$$

$(4.2 \times 80{,}000) / 21 = {\sim}16{,}200\mu F$

or

$(0.35 \times 80{,}000) / 29 = {\sim}970\mu F$

C = Capacitor in microFarads
I = Current (output) in Amps
Vdc = Volts (output)

P = Power of load (or transformer) in Watts (VoltAmps)
Vac = input Volts from transformer
Vdc = Vac x 1.4 (using a full-bridge rectifier)

Two or more identical transformers may be series-parallel arranged for higher currents and/or voltages (phasing observed)

NOTE – these approximations exclude copper losses etc. in the transformer and external wiring