

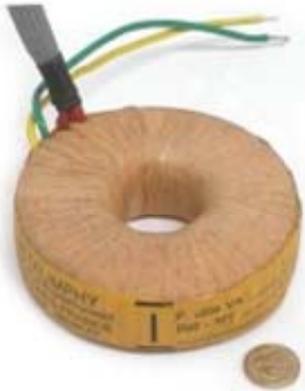
Mains Transformer - Toroidal



<http://www.casa.co.nz>

Edition: 16/07/2011

Type: 30V-156VA-DW-113537



Not registered

Brand: Metalimphy (France)

Type #: 113537

Model: 113537

OEM #: n/a

Input: 230~250Vac 50~60Hz
(115V tapped)

Output: 30V @ 5A

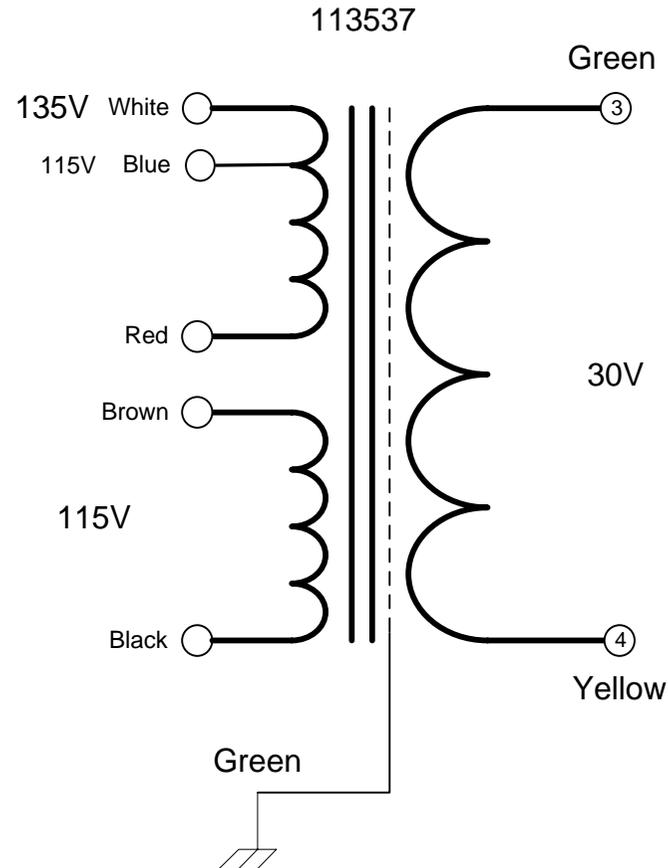
Power: 156VA (as labelled)

Size: 115 dia x 40 mm (thick)

Weight: 2.0 kg

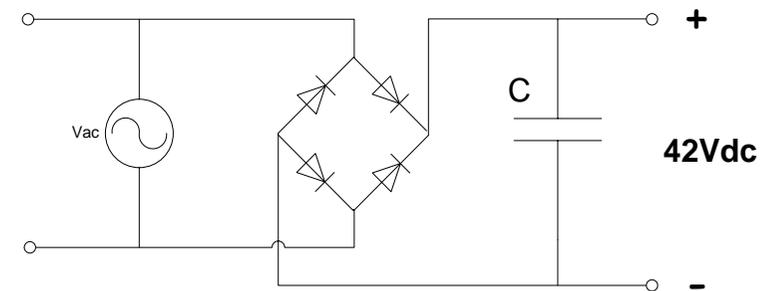
Fixing: core thru-hole (open)

Comments: Unless pre-housed, toroidal transformers should be clamped to chassis with a 1~3mm thick rubber/neoprene washer on each side.



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Optional Rectifier Assembly



Basic Un-Regulated DC PSU – Quick Calculator

$$C = (I \times 80,000) / V_{dc}$$
$$(5 \times 80,000) / 42 = 10,000\mu F \text{ (9524}\mu F)$$

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