

Mains Transformer



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

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Type: **24V-60VA-DW-SR/T-2700/5**



Not registered

General Data

Brand: Marconi (England)

Model: SR/T 2700/5

Input: 250~100Vac 50~60Hz
(split wound)

Output: 24V @ 2.5A (estimated)

Power: 60VA (estimated)

Size: 70 x 68 x 100 mm

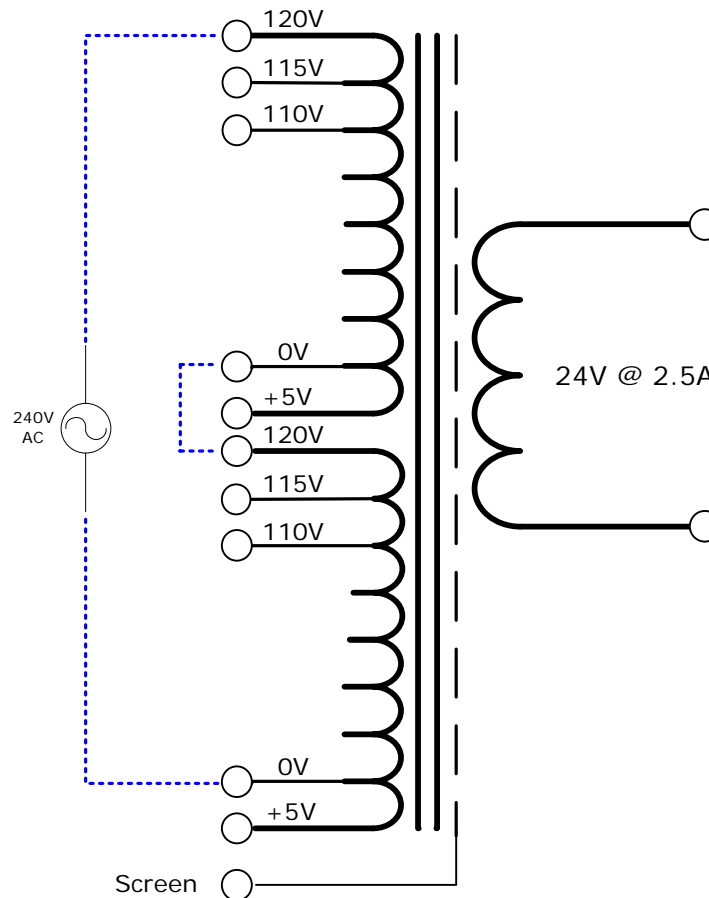
Weight: 1.3kg

Fixing: 4 x M3 @ 55 x 45 matrix

Condition: Used, as recovered
from telecommunications
equipment.

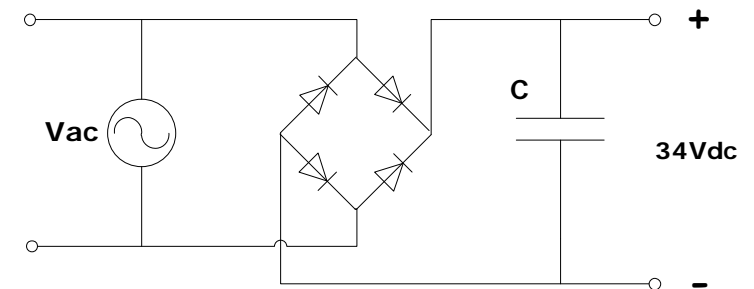
Comments: primary windings
may be connected in series for
200 to 250 Volt input.

SR/T 2700/5



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Optional Rectifier Assembly



Basic Un-Regulated DC PSU – Quick Calculator

$$C = (I \times 80,000) / V_{dc}$$
$$(1.7 \times 80,000) / 34 = 4,100\mu F$$

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