

Mains Transformer



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Type: **58V~42V-CT-150VA-DW-164P9C**

Stock #



Not registered

General Data

Brand: Avenswood (UK)

Model: 164PC4

Input: 240/100Vac 50~60Hz (tapped)

Output: 29 + 29, + 21 + 21 @2.5A (No-load voltages)

Power: 150VA (estimated)

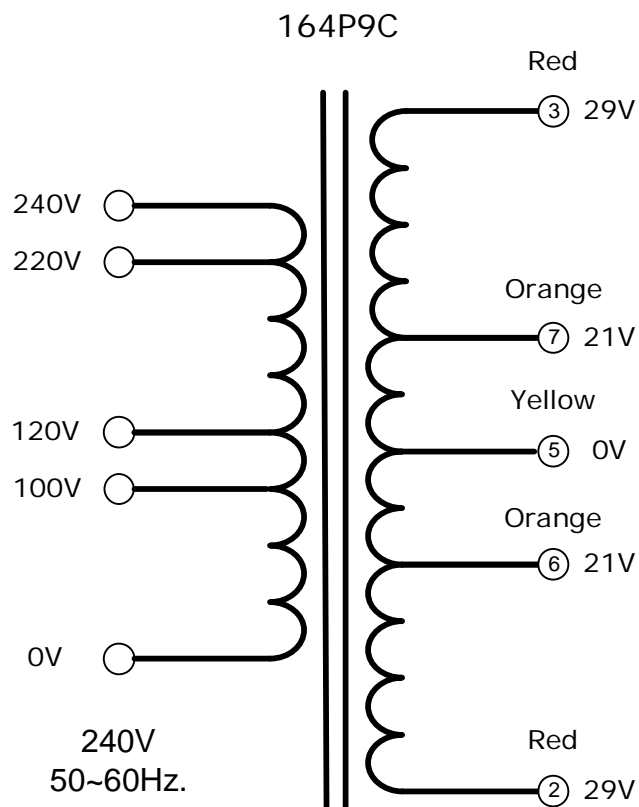
Size: 95 x 85 x 100 mm

Weight: 3.16kg

Fixing: 4 x M5 holes @ 75x64mm centres (nominal)

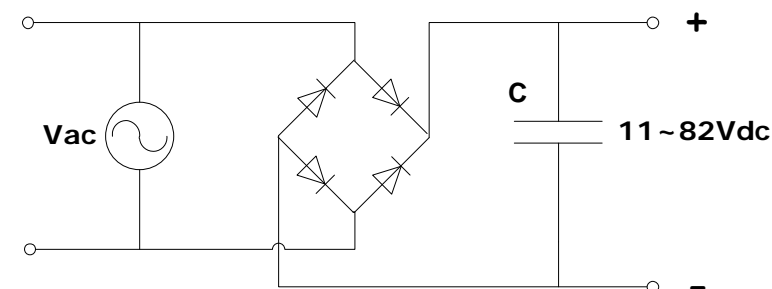
Condition: Used, removed from computer equipment, refurbished.

Comments: 8V available between 2 & 6 or 3 & 7.



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Optional Rectifier Assembly



Basic Un-Regulated DC PSU – Quick Calculator

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

$$(1.8 \times 80,000) / 82 = 1,800\mu F$$

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