Mains Transformer

http://www.casa.co.nz

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Type: 19V~5V-5VA-DW

WARNING – Lethal voltages are present on exposed terminals and windings etc. when transformers are connected to the mains

General Data

Brand: NA (NZ)

Model: NA
OEM #: NA (Philips)

Input: 230Vac 50Hz (non-tapped)
Output: 19~13~5V (250mA est.)
Power: 5VA (estimated)

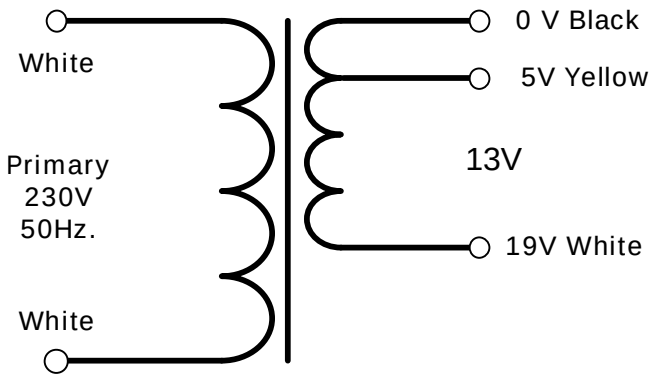
Size: _____ mm (nominal LxWxH)
Weight: ____ kg

Fixing: 2 x M4 clearance holes @ 45mm matrix (pitch)

Condition: New (un-used)

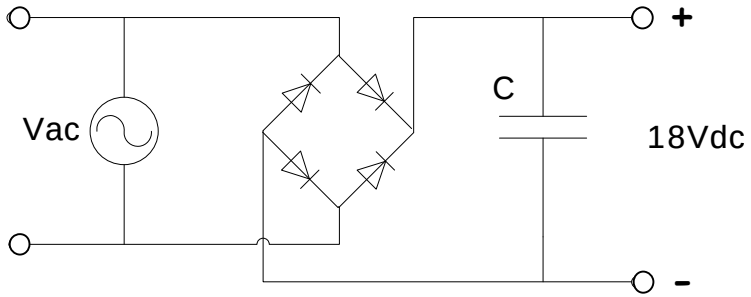
Comments: one off item – appears new

No identifying numbers



NOTICE – the information on this page is not guaranteed for accuracy – CASA accepts no responsibility (neither expressed nor implied) for any errors or the consequence therefrom.

Optional Rectifier Assembly



Basic Un-Regulated DC PSU – Quick Calculator

C = (I x 80,000) / Vdc
(0.25 x 80,000) / 18 = 1111µF *(1,000µF)*
or (0.25 x 80,000) / 7 = 2850µF (*2500µF*)
C = Capacitor in microFarads
I = Current (output) in Amps
Vdc = Volts (output)
Vac = input Volts from transformer

From example above – ***if P = 200VA***:
I = P / Vdc = 200 / 40 = 5 Amps
or if P = 250VA
I = P / Vdc = 250 / 40 = ***6.25 Amps***
P = Power of load (or transformer) in Watts (VoltAmps)
Vdc = Vac x 1.4 (using a full-bridge rectifier)
NOTE – these approximations exclude copper losses etc. in the transformer and external wiring