

# Mains Transformer



Type: **22V-CT-500VA-DW-4118365**

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

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12345-wizard.com

## General Data

**Brand:** NA (USA)

**Model:** 4118-365 (IBM)  
OEM 4118365

**Input:** 200~245Vac 50~60Hz  
(tapped)

**Output:** 11-0-11V @ ~22 Amps  
(Open circuit)

**Power:** 500VA (estimated)

**Size:** 137x122x110mm

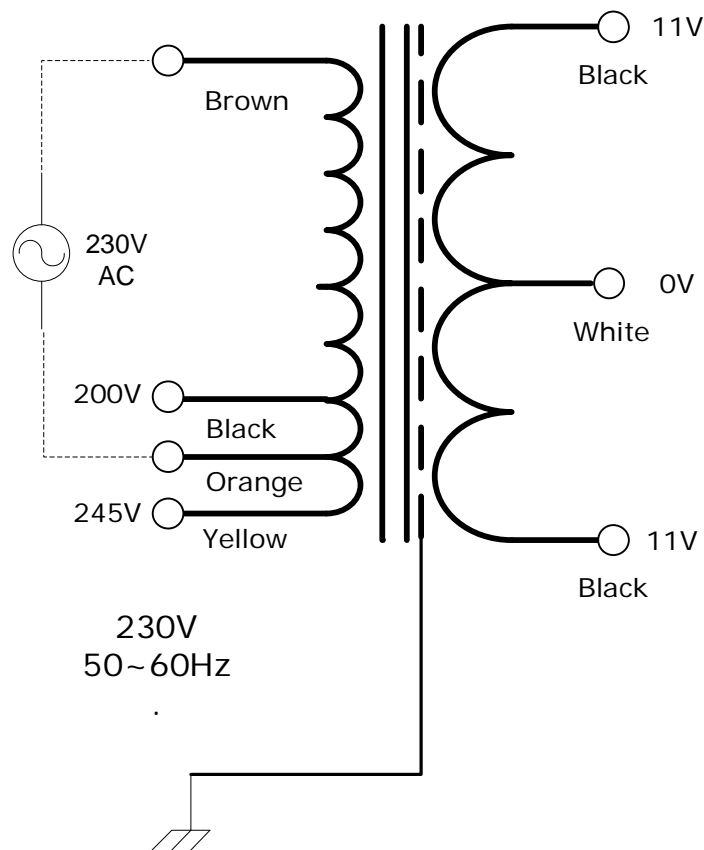
**Weight:** 6.35kg

**Fixing:** 4x5mm clearance holes  
120x97mm centres

**Condition:** used/refurbished - as  
removed from operational  
computer equipment.

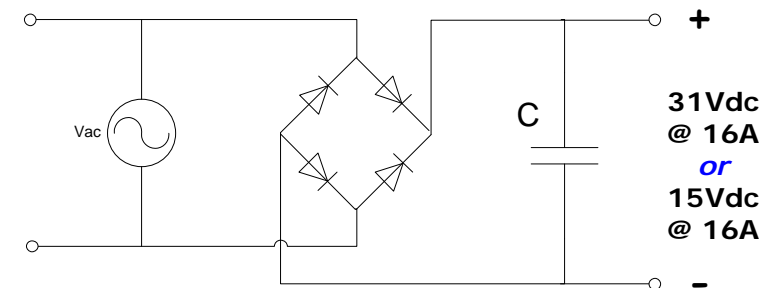
**Comments:**

## 4118-365



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## Optional Rectifier Assembly



## Basic Un-Regulated DC PSU – Quick Calculator

$$C = (I \times 80,000) / V_{dc}$$
$$(16 \times 80,000) / 102 = \sim 41,000\mu F$$

or

$$(16 \times 80,000) / 51 = \sim 85,000\mu F$$

C = Capacitor in microFarads

I = Current (output) in Amps

V<sub>dc</sub> = Volts (output)

P = Power of load (or transformer) in Watts (VoltAmps)

V<sub>ac</sub> = input Volts from transformer

V<sub>dc</sub> = V<sub>ac</sub> 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