

Mains Transformer



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

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Type: **40V~36V-CT-1kVA-DW-2523079**

Stock #:
212



12345-wizard.com

General Data

Brand: various (Europe/USA)

Model: 252 3079 (IBM)

Input: 230Vac 50/60Hz
(tapped)

Output: 20-18-0-18-20V @ 20A
(estimated)

Power: 800~1100VA
(estimated)

Size: 195 x 150 x 195mm
(LxWxHmm)

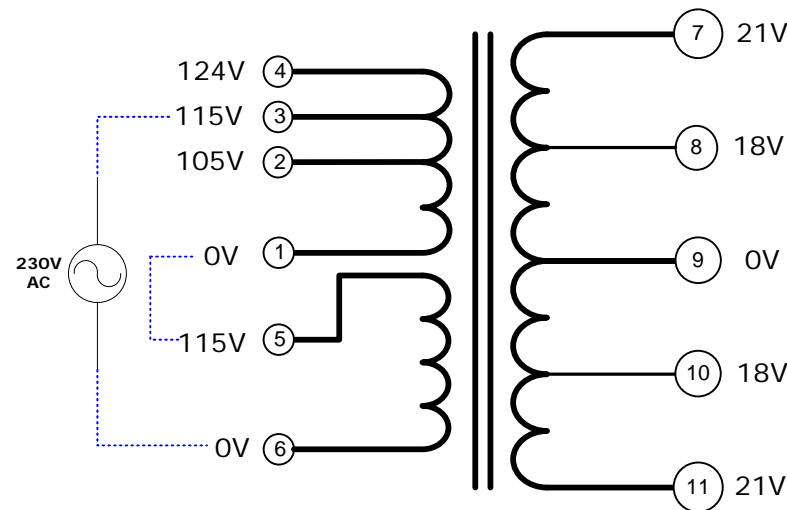
Weight: 20kg

Fixing: 4 x 6mm holes @ 151 x
130 mm centres (nominal)

Condition: As new/refurbished
– removed from de-
commissioned equipment

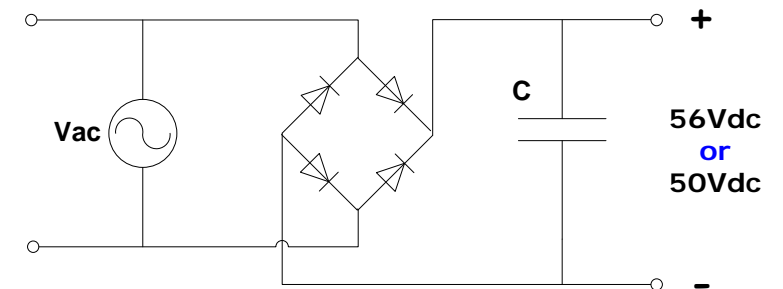
Comments: fully compound
impregnated - may be used in
biphase for 29Vdc or full-wave
bridge configuration for 56Vdc

252 3079



NOTICE – the information on this page is not guaranteed
for accuracy – CASA accepts no responsibility (expressed or
implied) for any errors or the consequence therefrom.

Optional Rectifier Assembly



Basic Un-Regulated DC PSU – Quick Calculator

$$C = (I \times 80,000) / V_{dc}$$
$$(20 \times 80,000) / 56 = 2,851\mu F$$

or

$$(20 \times 80,000) / 50 = 32,000\mu F$$

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