

# Mains Transformer



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Edition: 23/07/2011

## Type: 22V-CT-80VA-DW-FF55



**Brand:** Teleco (NZ)

**Model:** FF55 (xxx)

**Input:** 230~115Vac 50~60Hz (tapped)

**Output:** 11V-0-11V @ 80VA

**Power:** 80VA (labelled)

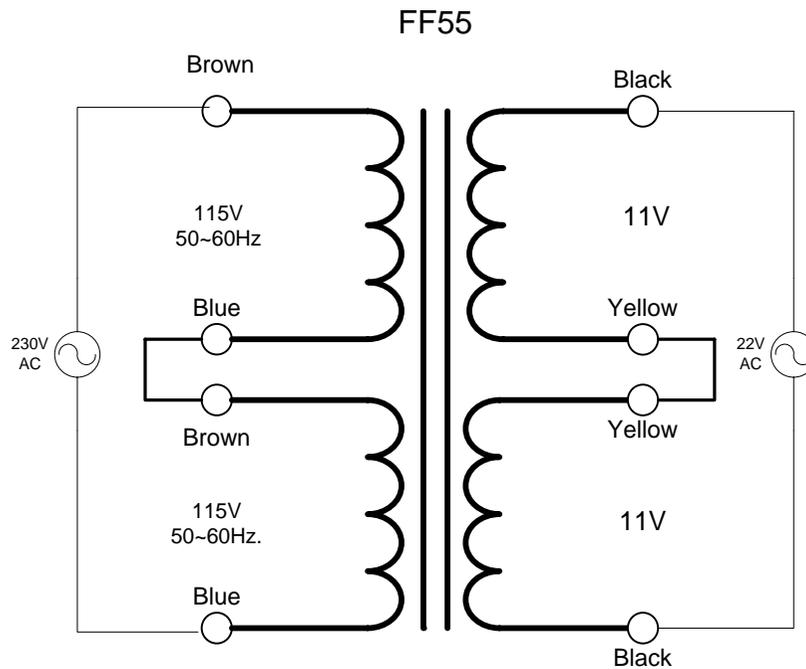
**Size:** 116x85x50mm

**Weight:** 1.6kg

**Fixing:** 4 x M5 holes @ 100 x 28mm centres (nominal)

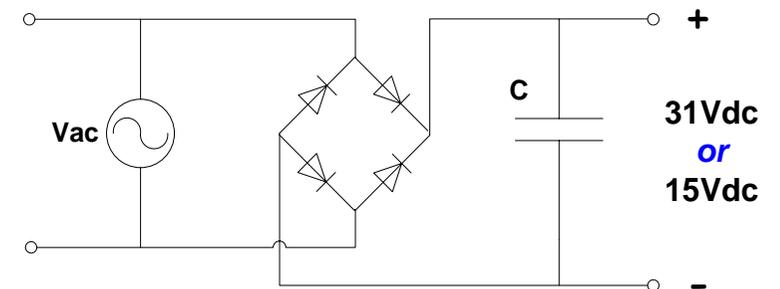
**Condition:** as new refurbished item typically as represented in images.

**Comments:** primary windings are pre-terminated for 230V. Secondary windings need the yellow pair joined for 22V full-bridge or 11V half-bridge centre-taped configurations.



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

### Optional Rectifier Assembly



### Basic Un-Regulated DC PSU – Quick Calculator

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

$$(2.5 \times 80,000) / 31 = 7,225\mu F$$

or

$$(5 \times 80,000) / 15 = 26,666\mu F$$

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