

# Mains Transformer



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Type: **25V-CT-50VA-DW-1655344**

Stock #

1655 344

## General Data

**Brand:** Wenerscheid (Germany)

**Model:** 1655 344

**OEM:** BV 78.26.56  
EC 745 709

**Input:** 230~100Vac 50~60Hz  
(split wound)

**Output:** 12.5+12.5, 8.7+8.7,  
8.3+8.3V @ 1, 1.5, 0.5A (est)

**Power:** 50VA (estimated)

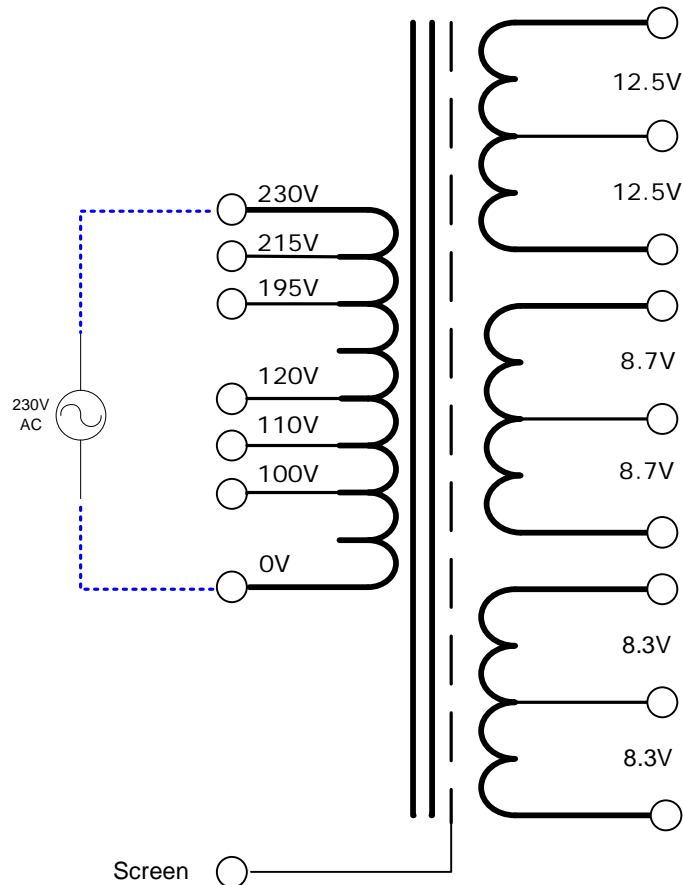
**Size:** 80 x 60 x 66 mm

**Weight:** 1.15kg

**Fixing:** 2 x 4mm holes @ 80mm  
centres.

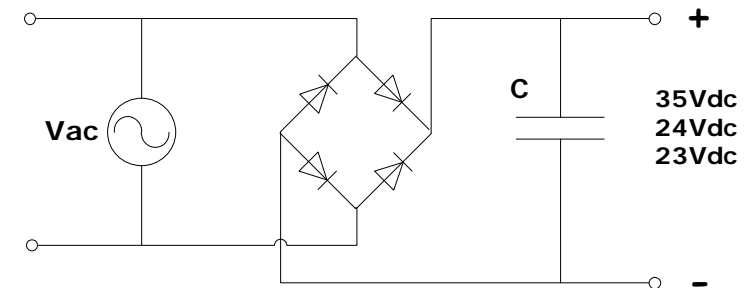
**Condition:** Used, as recovered  
from telecommunications  
equipment.

**Comments:**



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## Optional Rectifier Assembly



## Basic Un-Regulated DC PSU – Quick Calculator

$$C = (I \times 80,000) / V_{dc}$$
$$(0.7 \times 80,000) / 35 = 1,600\mu F$$
$$\text{or } (1.0 \times 80,000) / 25 = 3,300\mu F$$
$$\text{or } (0.35 \times 80) / 23 = 1,200\mu F$$

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