

Mains Transformer



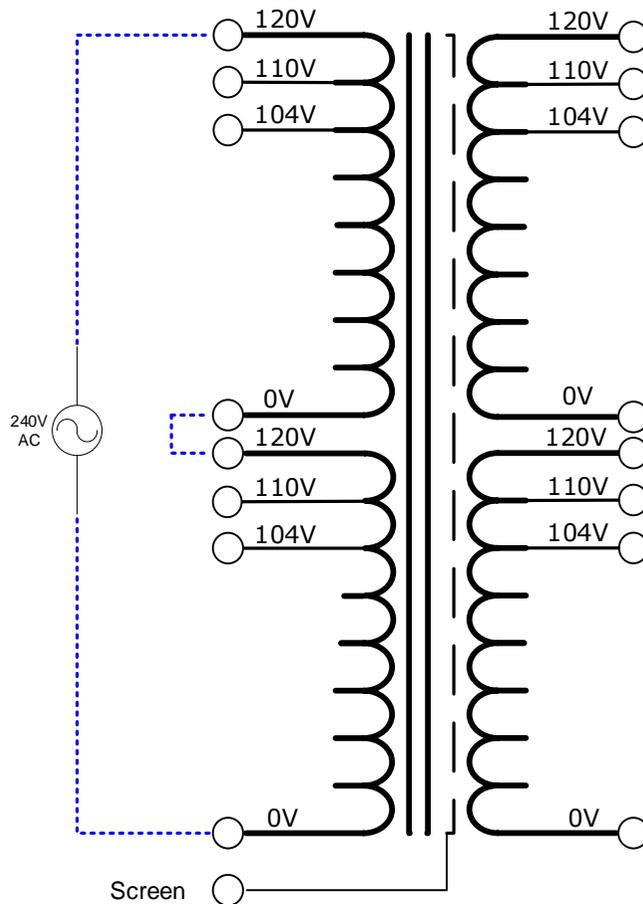
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Type: **240V~104V-500VA-DW-DU-1/2**



DU-1/2



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General Data

Brand: Signal Transformer (USA)

Model: DU-1/2

Input: 240~104Vac 50~60Hz (split wound)

Output: 120V + 120 @ 2.1A (estimated)

Power: 500VA

Size: 133 x 125 x 125 mm

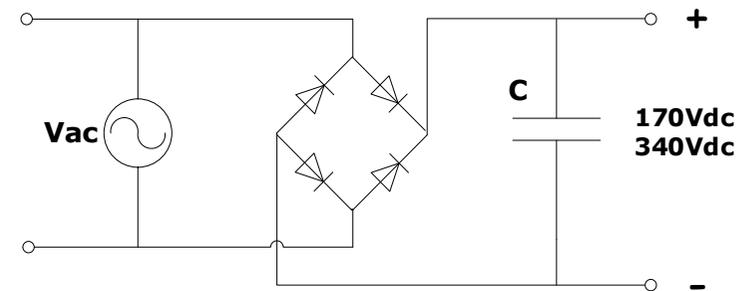
Weight: 7.52kg

Fixing: 4 x M6 @ 103 x 90 matrix

Condition: Used, as recovered from telecommunications equipment.

Comments: primary windings may be connected in series for 208 to 240 Volt input.
Diikey part DU-1/2

Optional Rectifier Assembly



Basic Un-Regulated DC PSU - Quick Calculator

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

$$(2.9 \times 80,000) / 170 = 1,4700\mu F$$

$$\text{or } (1.14 \times 80) / 340 = 370\mu F$$

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