

POWER SUPPLIER REGULATOR UN1/117

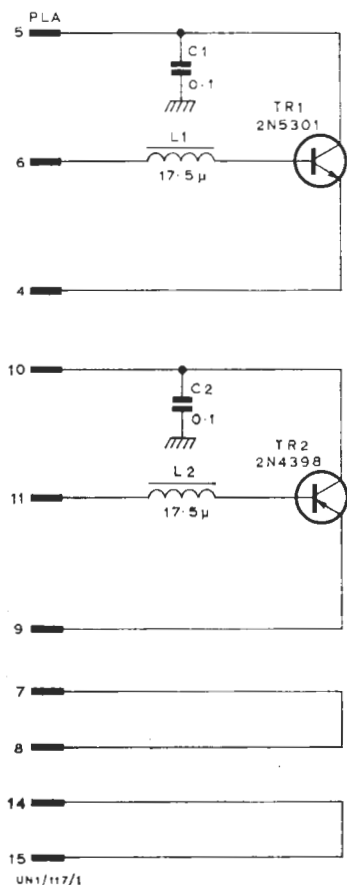


Fig. 1. Circuit of the Power Supplier Regulator UN1/117

**Introduction**

The UN1/117 consists of two regulator transistors and their heat sinks. It has been designed as part of the UN3/23 Power Supplier Control Unit in the PS2L/80 Power Supplier.

A modified form of CH1/12B chassis is used.

**General Description**

The regulator transistors and their heat sinks are separated from their parent unit to provide thermal isolation of the main power dissipating components.

The UN1/117 is intended to operate with a maximum ingoing air temperature of 40° C. The normal dissipation of the unit is 42 watts and it is essential that the ventilation openings in the case are not restricted. In installations using forced cooling, the top cover can be removed.

Under normal operating conditions with an ambient temperature of 25° C, the temperature of the case of the transistors is approximately 90° C.

The circuit is given in Fig. 1. L1 and L2 are surge limiting chokes.

**Reference**

1. Designs Department Specification No. 8.359(69).

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