

SECTION 8

MAINS UNIT MU/50

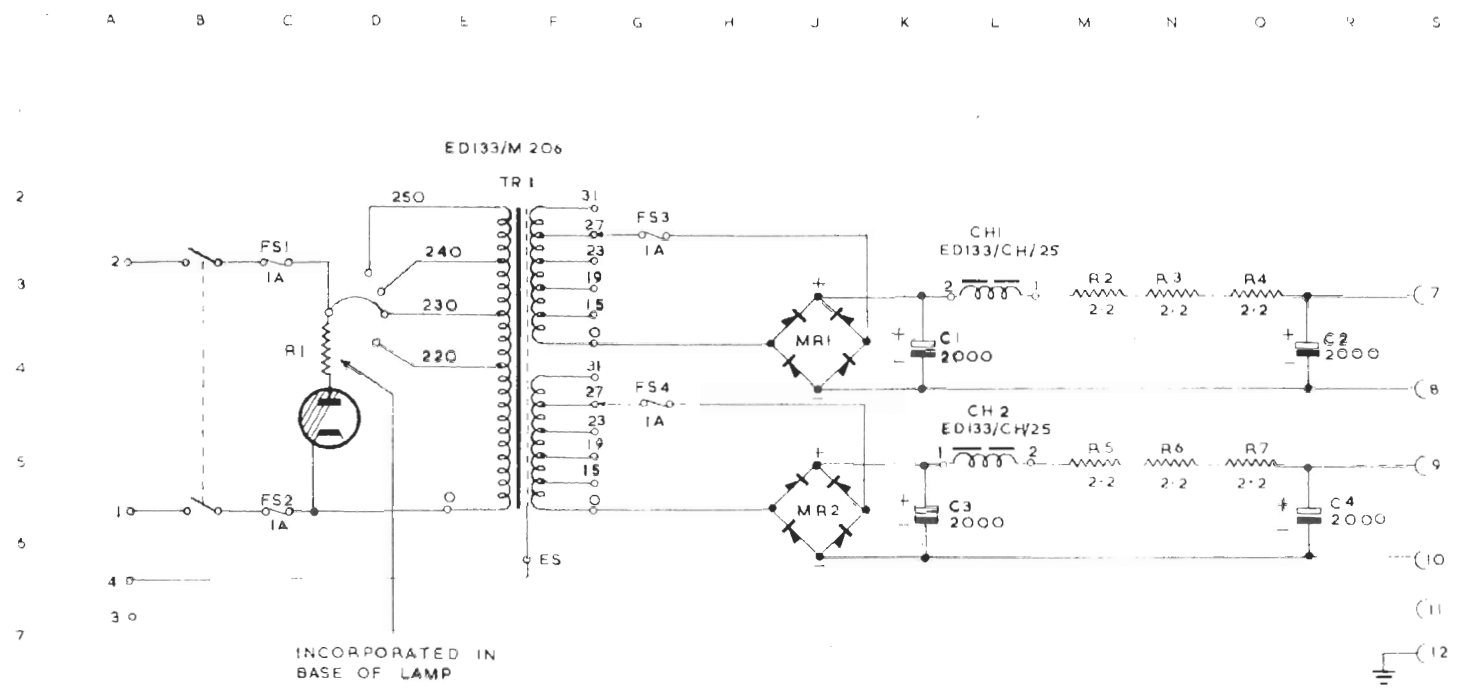
The Mains Unit type MU/50 (Fig. 8) supplies two outputs of about 12 volts d.c. at a maximum current of 1 amp. Normally these outputs are used to supply shift currents for the scanning coils of cathode-ray tubes in flying-spot scanners. The unit is mounted on a 19 in. by 5.25 in. panel suitable for bay mounting.

The mains transformer has two secondary

windings, both of which are tapped at intervals from 15 volts to 31 volts. The required output voltage is obtained by selecting the appropriate tapping. The voltage developed across each winding is rectified by a full-wave bridge circuit and smoothed by a π -section filter. The hum level at the outputs on full load is less than 30 millivolts.

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MAINS UNIT MU/50: CIRCUIT

FIG. 8