Mullard
TELEVISION TUBE

M46-12

Cathode Ray Tube for Television Reception.

12-INCH SCREEN

HEATER CHARACTERISTICS

Heater Voltage	Vf	=	4·0 volts
Heater Current	If	=	1·2 amps

OPERATING CHARACTERISTICS

Second Anode Voltage	Va2	=	4,000-5,000 volts
First Anode Voltage	Va1	=	250 volts
*Grid Voltage	−Vg	=	0-60 volts
Cathode internally connected to Heater—			
Electromagnetic Deflection Sensitivity ...	$Y=\frac{13L}{\sqrt{Va2}}$		mm. per Gauss.

(Where L is the length of deflection zone in millimetres and Va2 the second anode voltage.)

Ampere turns for focusing coil ... ... = 500 A.T.

INPUT CAPACITY

Grid to all other Electrodes ... ... Cg = 6·0 $\mu\mu$F

FLUORESCENT COLOUR

White

DEFLECTION

Double Electromagnetic

LIMITS

Maximum Second Anode Voltage	$Va2_{max}$	=	6,000 volts
Maximum First Anode Voltage	$Va1_{max}$	=	250 volts

* The Grid Voltage should be adjusted to give the required light intensity. The voltage should never become positive or damage to the tube will result.

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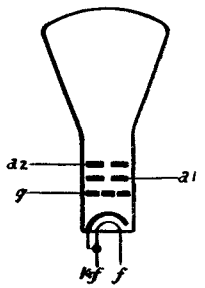
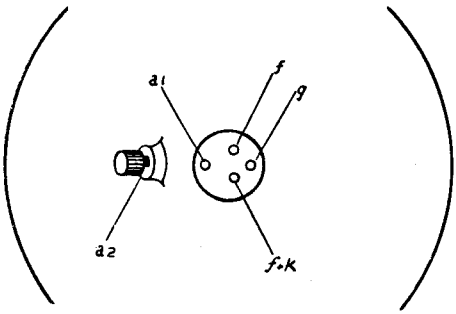


FIG 1



BOTTOM VIEW OF TUBE

FIG 2

DIMENSIONS IN M/M

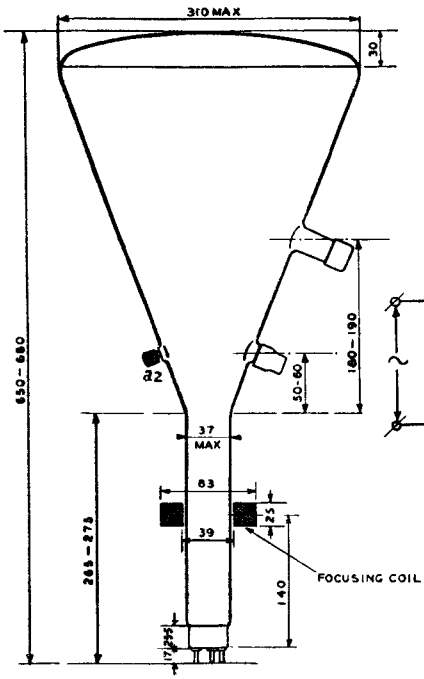


FIG 3

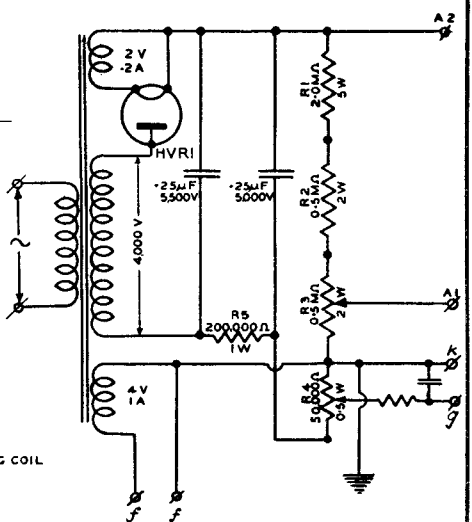


FIG 4