

Cathode Ray Tube for Television Reception.

12-INCH SCREEN

HEATER CHARACTERISTICS

Heater Voltage	...	...	...	...	Vf	=	4.0 volts
Heater Current	...	...	...		If	=	1.0 amp

OPERATING CHARACTERISTICS

Third Anode Voltage	...	...	...	...	Va3	=	5,000 volts
Second Anode Voltage	...	...	...	...	Va2	=	1,400 volts
First Anode Voltage	...	...	...	...	Va1	=	250 volts
*Grid Voltage	...	...	...	...	-Vg	=	0-60 volts
Cathode internally connected to Heater—							
Deflection Sensitivity of Plates nearest Cathode					N1	=	0.17 mm/V
Deflection Sensitivity of Plates nearest Screen...					N2	=	0.13 mm/V

CAPACITIES

Grid to all other Electrodes	...	...	...	Cg	=	15 μ F
Between Deflection Plates nearest Cathode	...			CD1D1'	=	5.5 μ F
Between Deflection Plates nearest Screen	...			CD2D2'	=	6.5 μ F

FLUORESCENT COLOUR

White.

DEFLECTION

Double Electrostatic.

LIMITS

Maximum Third Anode Voltage	...	...	Va3 _{max}	=	5,000 volts
Maximum Second Anode Voltage	...	...	Va2 _{max}	=	1,700 volts
Maximum First Anode Voltage	...	...	Va1 _{max}	=	250 volts
Maximum Grid Voltage	...	...	-Vg _{max}	=	200 volts

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

E46-12

Mullard TELEVISION TUBE

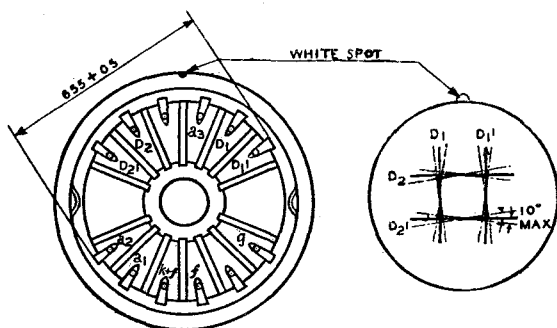
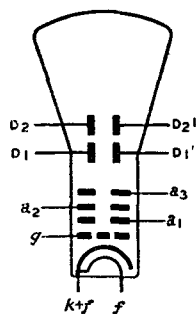
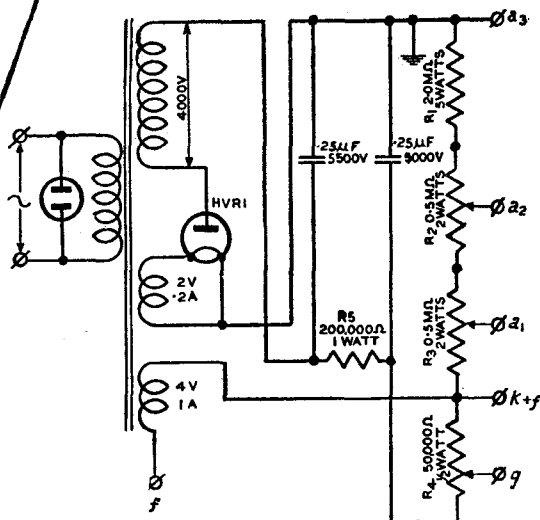
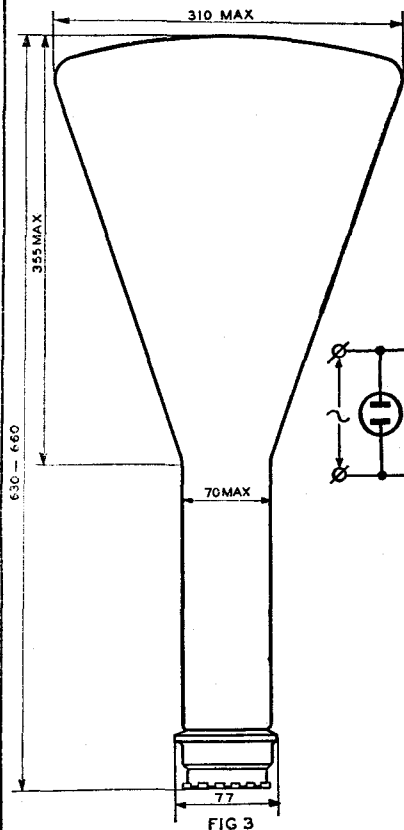


FIG 2

DIMENSIONS IN M/M



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