

### Cathode Ray Tube for Television Reception

#### 15-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 = $\sqrt{\frac{16L}{Va2}}$ | 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 $\mu$ F |
|------------------------------|-----|-----|-----|----|---------------|

#### FLUORESCENT COLOUR

White.

#### DEFLECTION

Double Electromagnetic

#### LIMITS

|                              |     |     |                    |               |
|------------------------------|-----|-----|--------------------|---------------|
| Maximum Second Anode Voltage | ... | ... | Va2 <sub>max</sub> | = 6,000 volts |
| Maximum First Anode Voltage  | ... | ... | Va1 <sub>max</sub> | = 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.

# M46-15

# Mullard TELEVISION TUBE

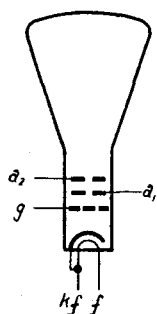
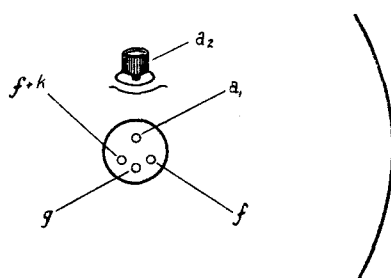


FIG. 1.



BOTTOM VIEW OF TUBE

FIG. 2.

DIMENSIONS IN M/M

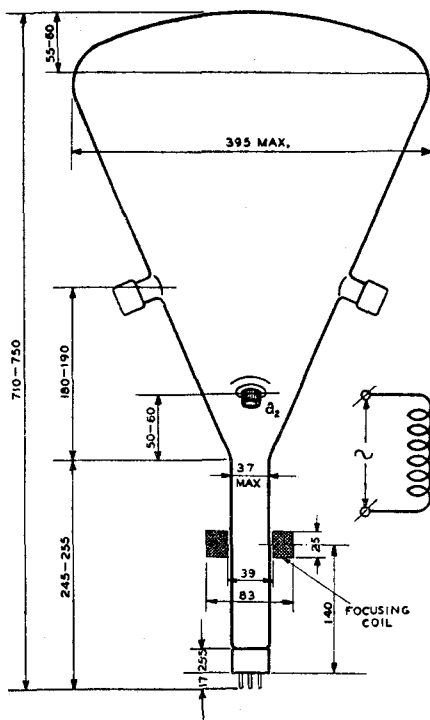


FIG 3

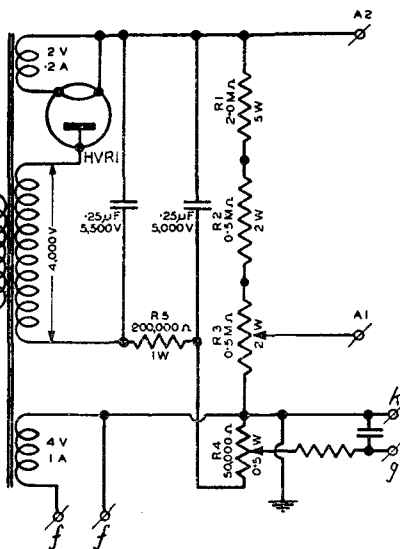


FIG 4

**Mullard**  
**TELEVISION TUBE**

**M46-15**

**M46-15**

