Ferranti

RADAR TUBES

8A/54HM

8A/54LM

Miniaturised 8in. diameter Radar Tubes with narrow neck and small deflection angle. Suitable for use with either Transistor or Valve circuits. Long persistence, metal backed screens.

FOCUS	Magnetic
DEFLECTION	Magnetic—43°.

SCREEN.

*Phosphor	Type 'H'.	Type 'L'.
Fluorescence	Orange.	Orange.
Afterglow	Orange.	Orange.
Persistence	Very Long.	Long.

PHYSICAL DETAILS.

Base	B9A/D.
Anode Cap	CT8 Cavity Type.
Max. Overall Length	426 mm.
Neck Diameter	23 mm. (nom.)
Mounting Position	Any.

For other dimensions see outline drawing overleaf.

BASE CONNECTION

Pin 1—Grid.	Pin 6—I.C.
Pin 2—I.C.	Pin 7—N.C.
Pin 3—Cathode.	Pin 8—I.C.
Pin 4—Heater.	Pin 9—1st Anode.
Pin 5—Heater.	Side Contact—2nd Anode.

HEATER.

Heater Voltage	6·3 volts.
Heater Current	0·3 amps.

RATING.

Max. A_1 voltage	600 volts.
Max. A_2 voltage	15 kV.
Min A_2 voltage	8 kV.
Max. V_{h-k}	200 volts.
Max. R_{g-k}	1·5 MΩ
Max. R_{h-k}	1·0 MΩ

TYPICAL OPERATION.

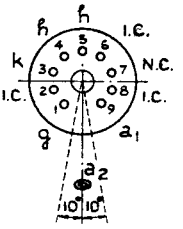
With Valve Drive.

1st Anode voltage	300 volts.
2nd Anode voltage	12 kV.
V_g for visual cut-off	–60 volts.

With Transistor Drive

1st Anode voltage	100 volts.
2nd Anode voltage	12 kV.
V_g for visual cut-off	–25 volts.

Recommended position of focus coil is 60 mm. in front of the grid.



Base Connections Underside View of Base

*These phosphors are liable to burn if operated with a spot which is stationary or slow moving, and tubes should not be operated under such conditions, even at low beam current. Alternative phosphors for this application can be supplied on request.

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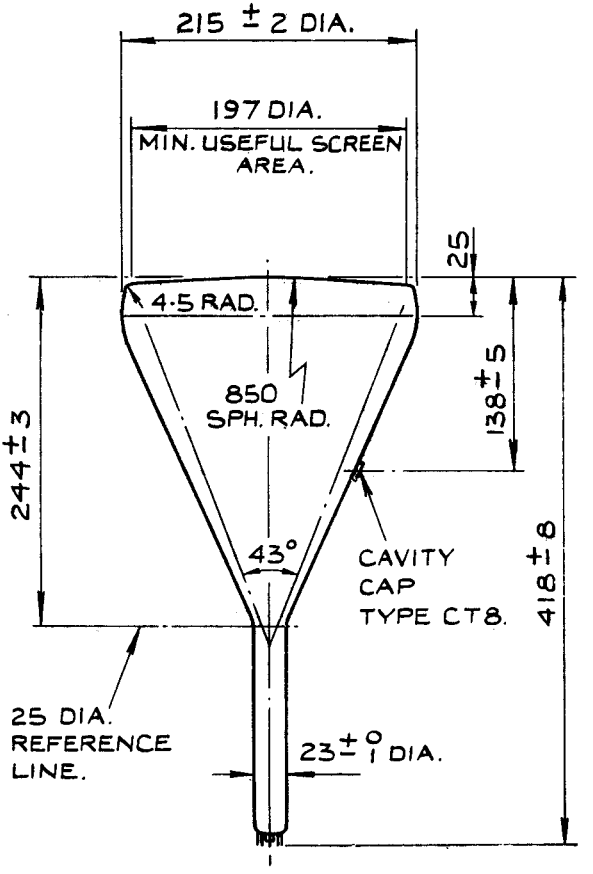

DIMENSIONS ARE IN MILLIMETRES.