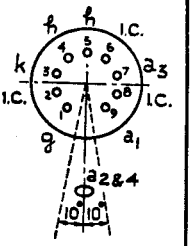
8A/56HM

8A/56LM

Ferranti

RADAR TUBE

Miniaturised Radar Display Tubes with an 8in. diameter screen, narrow angle deflection and low voltage electrostatic focus. Suitable for use with either Valve or Transistor circuits.



Underside view of base

FOCUS	Low Voltage Electrostatic.	
DEFLECTION	Magnetic. 43° angle.	
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	416 mm.	
Neck Diameter	23 mm. (nom.)	
Mounting Position	Any.	

BASE CONNECTION.

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

HEATER.	
Heater Voltage	6·3 volts.
Heater Current	0·3 amps.
RATING.	
Max. A_1 voltage	600 volts.
Max. A_2+A_4 voltage	15 kV.
Min. A_2+A_4 voltage	8 kV.
Max. Pos. A_3 voltage	+500 volts.
Max. Neg. A_3 voltage	−500 volts.
Max. V_{h-k}	200 volts.
Max. R_{g-k}	1·5 MΩ
Max. R_{h-k}	1·0 MΩ
TYPICAL OPERATION.	
Valve Drive.	
1st Anode voltage	300 volts.
2nd & 4th Anode voltage ...	12 kV.
3rd Anode voltage for focus	−300 to +300 volts.
V_g for visual cut-off	−60 volts.
Transistor Drive.	
1st Anode voltage	100 volts.
2nd & 4th Anode voltage ...	12 kV.
V_g for visual cut-off	−25 volts.
3rd Anode voltage for focus	−300 to +300 volts.

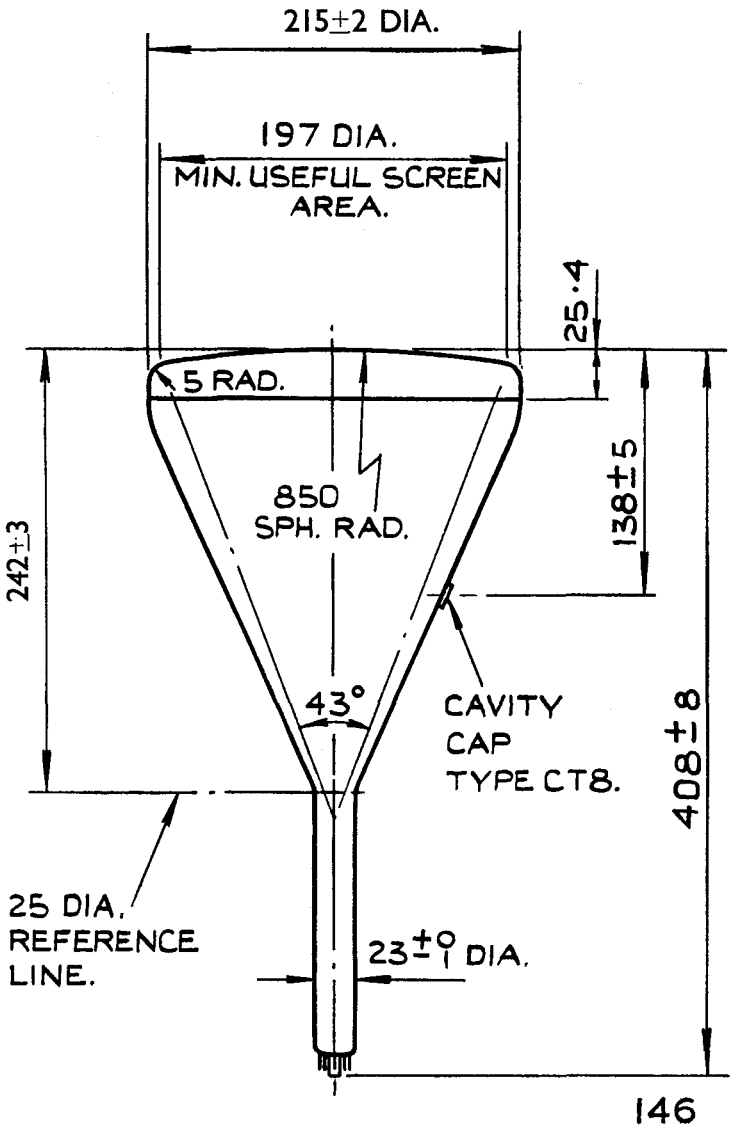
*These phosphors are liable to burn if operated with a spot which is stationary or slow moving, and tubes should not be operated under such conditions, even at low beam current. Alternative phosphors for this application can be supplied on request.

Tentative
Issue 2
Mar., 1961

Ferranti

Ferranti

8A/56HM
8A/56LM



DIMENSIONS ARE IN MILLIMETRES.