



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.

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.

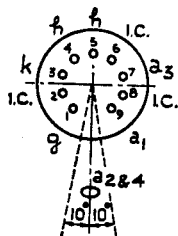
Transistor Drive.

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.

8A/56HM

8A/56LM

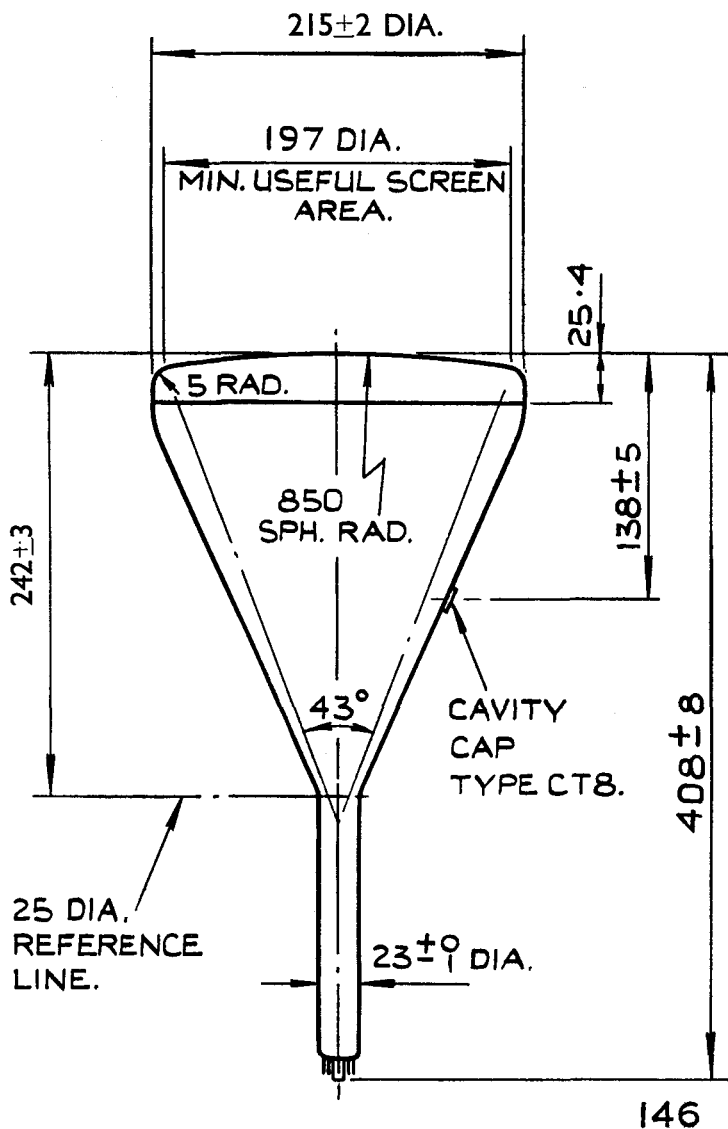


Underside view
of base



8A/56HM

8A/56LM



DIMENSIONS ARE IN MILLIMETRES.