

DIAMETER 16" NOMINAL

16T04A

Radar Tube

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MAGNETIC FOCUS

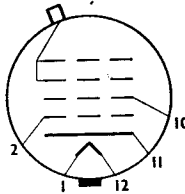
MAGNETIC DEFLECTION

DATA

GENERAL:

Heater : Voltage	6.3	a.c. or d.c. volts.
Current	0.6	amp.
Direct Inter-electrode Capacitances		
Modulator to all other electrodes		9.0 pf.
Anode 1 to all other electrodes		6.0 pf.
Cathode to all other electrodes		8.0 pf.
Screen :		Aluminium Backed.
Fluorescence		Orange.
Afterglow		Orange.
Persistence of Afterglow		Long.
Focusing Method		Magnetic.
Deflecting Method		Magnetic.
Overall Length		512 ± 5 mm.
Greatest Diameter of Bulb		409 mm.
Minimum Useful Screen Diameter		370 mm.
Mounting Position		Any.
Anode Cap		BSS448/C.T.7.
Base		B12A.

- Pin 1—Heater
- Pin 2—Grid
- Pin 6—No connection



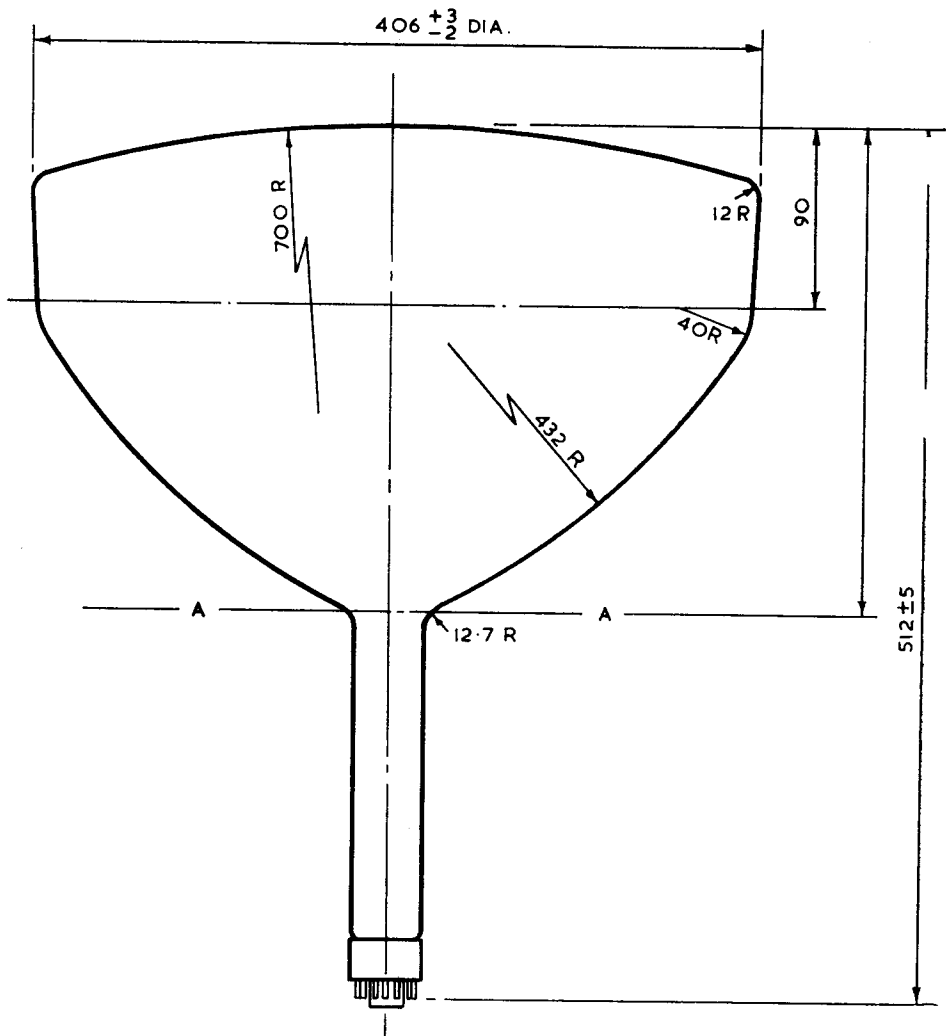
- Pin 10—Anode 1
- Pin 11—Cathode
- Pin 12—Heater

Maximum Ratings :

Final Anode Voltage	16.0 kV.
Anode 1 Voltage	600 volts.
Modulator Voltage :	
Negative bias value	-180 volts.
Positive bias value	0 volts.
Peak Heater-Cathode Voltages :	
Heater negative with respect to cathode	150 volts.
Heater positive with respect to cathode	150 volts.

Typical Operating Conditions :

Final Anode Voltage	15.0 kV.
Anode 1 Voltage	300 volts.
Modulator Voltage for cut-off	-30 to -90 volts.
Spot position	See Note 4.



DIMENSIONS IN MILLIMETRES

- Note 1.** The plane through the tube axis and the spigot key may vary from the plane through the tube axis and the anode cap by an angular tolerance (measured about the tube axis) of 10° . The anode cap is on the same side of the tube as the spigot key.
- Note 2.** Reference line is determined by position where gauge 36 mm. I.D. and 50 mm. long will rest on the bulb cone.
- Note 3.** Focusing coil positioned with centre line of air gap approximately 118 mm. from the reference line (see outline drawing).
- Note 4.** The centre of the undeflected focused spot will fall within a circle having 15 mm. radius concentric with the centre of the tube face.