Diameter 6° Nominal

GLYIA

Radar Tube

Electrostatic Focus. Magnetic Deflection

Data

General:
Heater: Voltage 4.0 a.c. or d.c. volts.
Current 1.0 amp.
Direct Inter-electrode Capacitances:
Modulator to all other electrodes 15μf.
Anode 1 to all other electrodes 15μf.
Cathode to all other electrodes 14μf.
Screen: Aluminium Backed.
Fluorescence Yellow.
Afterglow Yellow.
Persistence of Afterglow Long.
Focusing Method Electrostatic.
Deflecting Method Magnetic.
Overall Length 390 ± 10 mm.
Greatest Diameter of Bulb 163 mm.
Minimum Useful Screen Diameter 135 mm.
Mounting Position Any.
Anode Cap Recessed Small Ball.
Base International Octal.

Pin 1—No connection.
Pin 2—Anode 1.
Pin 3—Anode 2.
Pin 4—No connection.

Pin 5—Modulator.
Pin 6—Cathode.
Pin 7—Heater.
Pin 8—Heater.
Cap—Final Anode.

Maximum Ratings:
Final Anode Voltage 9000 volts.
Anode 1 Voltage 1650 volts.
Modulator Voltage:
Negative bias value 130 volts.
Positive bias value 0 volts.
Peak Heater-Cathode Voltages:
Heater negative with respect to cathode 125 volts.
Heater positive with respect to cathode 125 volts.

Typical Operating Conditions:
Final Anode Voltage 7000 volts.
Anode 2 Voltage 1075 volts. ± 100 volts.
Anode 1 Voltage—See Note 3 1250 volts.
Modulator Voltage for cut-off –45 to –100 volts.
Spot Position See Note 4

Note 3. Anode 1 must always be at least 50 volts positive to Anode 2.
Note 4. The centre of the undeflected focused spot will fall within a circle having a 10 mm. radius concentric with the centre of the tube face.
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 a gauge 36 mm. I.D. and 50 mm. long will rest on the bulb cone.