DIAMETER 10" NOMINAL

PMT57

HIGH DEFINITION

Television Monitor Tube

MAGNETIC FOCUS. MAGNETIC DEFLECTION

PMT57

DATA

GENERAL:

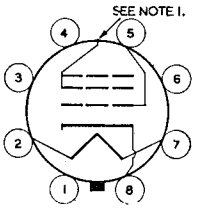
Heater: Voltage	4.0 a.c. or d.c. volts.
Current	1.0 amp.
Direct Inter-electrode Capacitances:	
Modulator to all other electrodes	9.0μμf.
Cathode to all other electrodes	9.0μμf.
Screen:	Aluminium Backed.
Fluorescence	White.
Persistence	(5m sec./25 m sec. for 1% initial brightness.)
Focussing Method	Magnetic
Deflecting Method	Magnetic
Overall Length	500mm ± 10 mm.
Greatest Diameter of Bulb	257 mm.
Minimum Useful Screen Diameter	230 mm.
Mounting Position	Any
Anode Cap	Cavity Cap BSS/448/CT8.
Base	International Octal.

Pin 1—No connection.

Pin 2—Heater.

Pin 3—Pin omitted.

Pin 4—Pin omitted.



Pin 5—Modulator

Pin 6—Pin omitted.

Pin 7—Heater.

Pin 8—Cathode.

Cap—Anode.

Maximum Ratings:

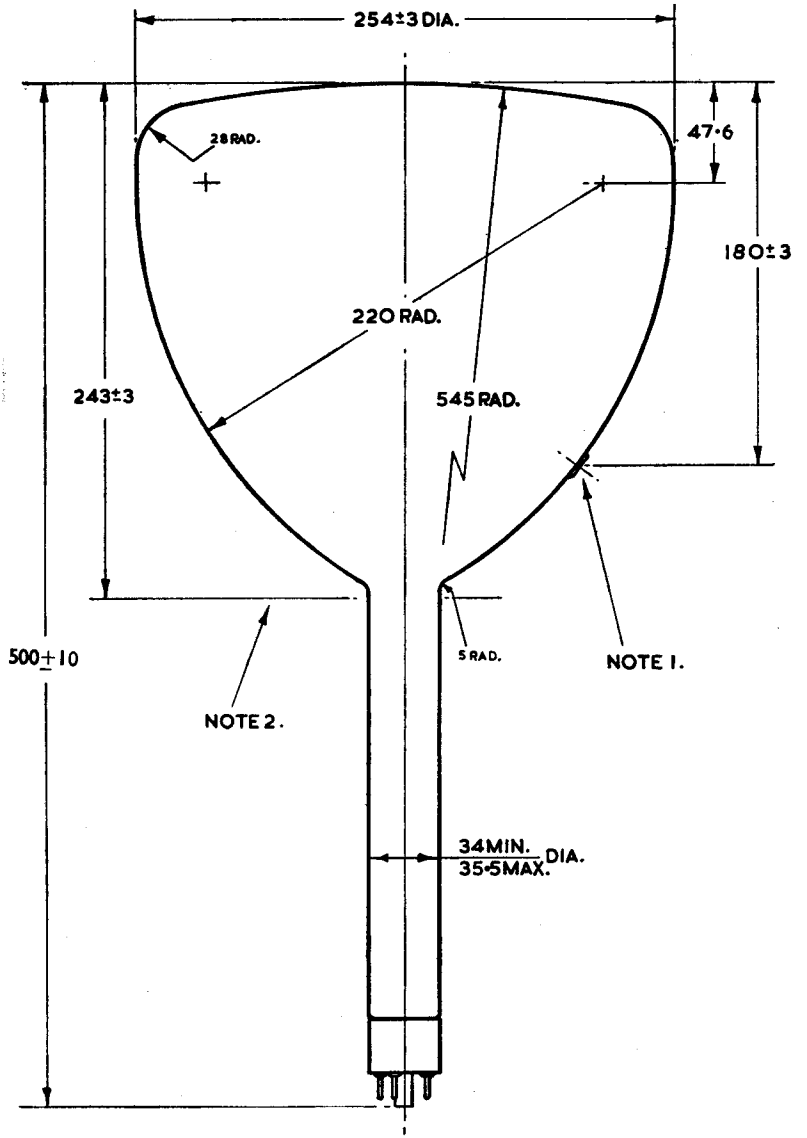
Anode Voltage	15000 volts.
Modulator Voltage:	
Negative bias value	128 volts.
Positive bias value	0 volts
Peak Heater-Cathode Voltages:	
Heater negative with respect to cathode	150 volts
Heater positive with respect to cathode	150 volts
Line Width	0.3 mm.

Interlaced 405 line T.V. raster. Beam Current 100μA.
Line length 200 mm.

Typical Operating Conditions:

Anode Voltage	10,000 volts
Modulator Voltage for cut-off	-50 to -85 volts.
Focussing-Coil Current—See Note 3	550 A.T.
Spot Position See Note 4	

Note 4. The centre of the undeflected unfocused spot will fall within a circle having 10 mm. radius concentric with the centre of the tube face.



ALL SIZES 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 a gauge 36 mm. I.D. and 50 mm. long will rest on bulb cone.

Note 3. Focusing Coil positioned with centre line of air gap approximately 80 mm. from reference line (see outline drawing.)