



TELEVISION MONITOR TUBE

A 5 inch diameter tube with metal backed screen having good resolution. Designed as a camera viewfinder tube.

FOCUS	...	...	...	Magnetic.
DEFLECTION	...	...	...	Magnetic.
SCREEN.				
Phosphor	...	...	...	Type 'T' (Metal backed).
Fluorescence	...	...	...	White.
Persistence	...	...	...	Short.
PHYSICAL DETAILS.				
Base	...	...	...	International Octal.
Anode Cap	...	...	...	CT7 (Recessed Ball Type).
Max. Overall Length	...	...	...	287 mm.
Max. Diameter	...	...	...	127 mm.
Neck Diameter	...	...	...	$35 \pm \frac{0}{1}$ mm.
Min. Useful Screen Diameter	...	...	...	108 mm.
Weight (Tube alone)	...	...	...	500 gms. (1lb. 2oz.).
For other dimensions see drawing.				

BASE CONNECTIONS.

Pin 1—No Connection.	Pin 5—Grid.
Pin 2—Heater.	Pin 6—No Connection.
Pin 3—1st Anode.	Pin 7—Cathode.
Pin 4—No Connection.	Pin 8—Heater.
Side Cap—2nd Anode.	

HEATER.

Heater Voltage	...	...	...	6.3 volts.
Heater Current	...	...	...	0.3 amp.

RATINGS.

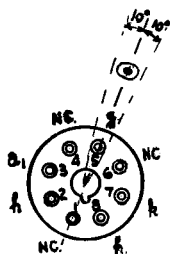
Max. 1st Anode Voltage	...	...	...	500 volts.
Max. 2nd Anode Voltage	...	...	...	11.0 kV.
Min. 1st Anode Voltage	...	...	...	200 volts.
Min. 2nd Anode Voltage	...	...	...	5.5 kV.
Max. V_{h-k} (Heater positive)	...	...	...	150 volts.
Max. V_{h-k} (Heater negative)	...	...	...	200 volts.
Max. R_{g-k}	...	...	...	1.5 M Ω
Max. 1st Anode Supply Impedance	...	...	...	1.5 M Ω

TYPICAL OPERATION.

1st Anode Voltage	...	...	...	300 volts.
2nd Anode Voltage	...	...	...	7.0 kV.
* V_g for visual cutoff	...	...	...	-30 to -70 volts.
Av. Mod. Drive for 50 μ A. Beam Current	...	...	...	20 volts.
†Focus Coil	...	...	...	570 ampere turns (approx.).
Recommended distance of Focus Unit from Ref. Line	...	...	...	73 mm.

CAPACITANCES.

C_{k-all}	...	...	...	<10.0 pF.
C_{g-all}	...	...	...	<10.0 pF.



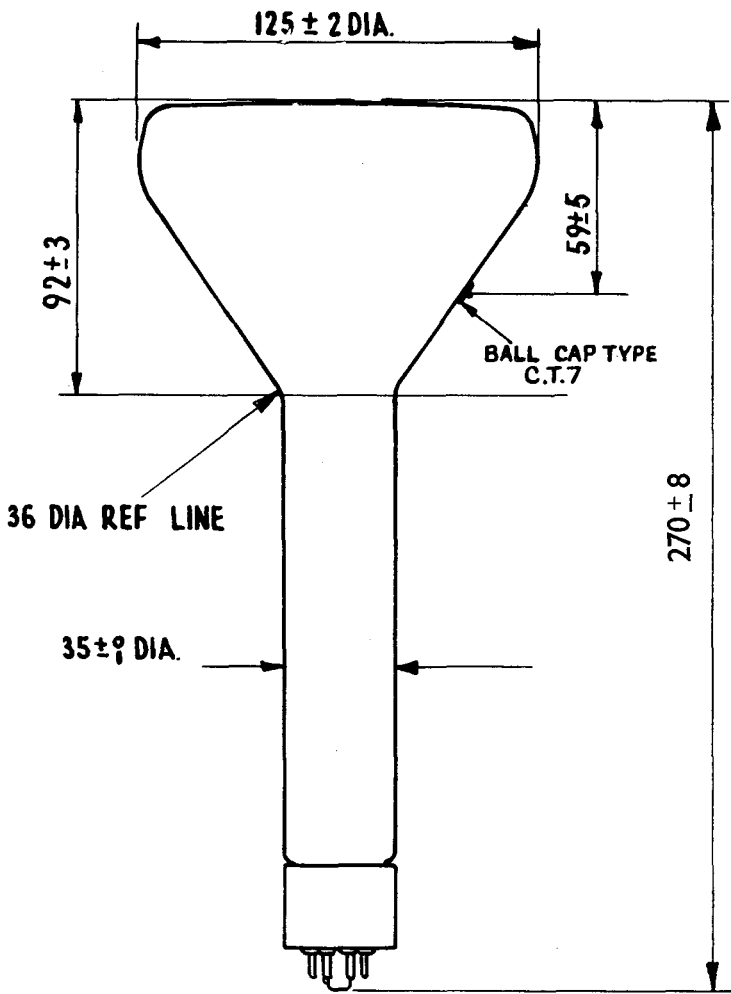
Base
Connections

Underside View
of Base

*The grid should never be positive with respect to the cathode.

†Positioned so that the gap is 75 mm. from the reference line.





DIMENSIONS IN MILLIMETRES.