



9/28PM

HIGH RESOLUTION DISPLAY TUBE

A 9 inch diameter Display Tube with an optically flat face with ground internal and external surfaces.

FOCUS. Magnetic

DEFLECTION. Magnetic

SCREEN.

Phosphor	...	...	...	Type 'P' (Fine particle size).
Fluorescence	...	...	...	Blue.
Persistence	...	...	...	Ultra short.

For further details refer to Screen Phosphor characteristics at the front of this section of the handbook. This tube can also be supplied with other screen phosphors.

PHYSICAL DETAILS.

Base	...	...	...	BI2A (duodecal)
Anode Cap	...	...	...	CT8 Cavity Type
Max. Overall Length	...	...	...	625 mm.
Max. Diameter	...	...	...	236 mm.
Nom. Neck Diameter	...	...	...	35 mm.
*Useful Screen Area	...	...	...	195 mm. min. dia.

BASE CONNECTIONS.

Pin 1—Heater	Pin 7—Not Connected
Pin 2—Grid.	Pin 8—No Pin
Pin 3—No Pin.	Pin 9—No Pin.
Pin 4—No Pin.	Pin 10—Not Connected
Pin 5—No Pin.	Pin 11—Cathode.
Pin 6—Not Connected.	Pin 12—Heater.

Side contact—Anode.

HEATER.

Heater Voltage	...	...	...	6.3 v.
Heater Current	...	...	...	0.3 A.

RATINGS.

Max. Anode Voltage	...	...	...	30 kV.
Nom. V_g for visual cut-off	...	...	...	$V_a/300$
Max. V_{h-k} (heater negative)	...	...	...	200 v.
Max. V_{h-k} (heater positive)	...	...	...	200 v.
Max. R_{g-k}	...	...	...	1.5 M Ω

TYPICAL OPERATION.

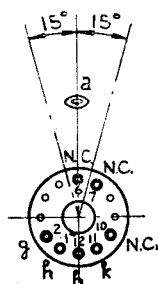
Heater Voltage	...	...	...	6.3 v.
Anode	...	...	...	15 kV.
V_g for visual cut-off	...	...	...	-50 v.

Line width at screen centre (see page 4.)

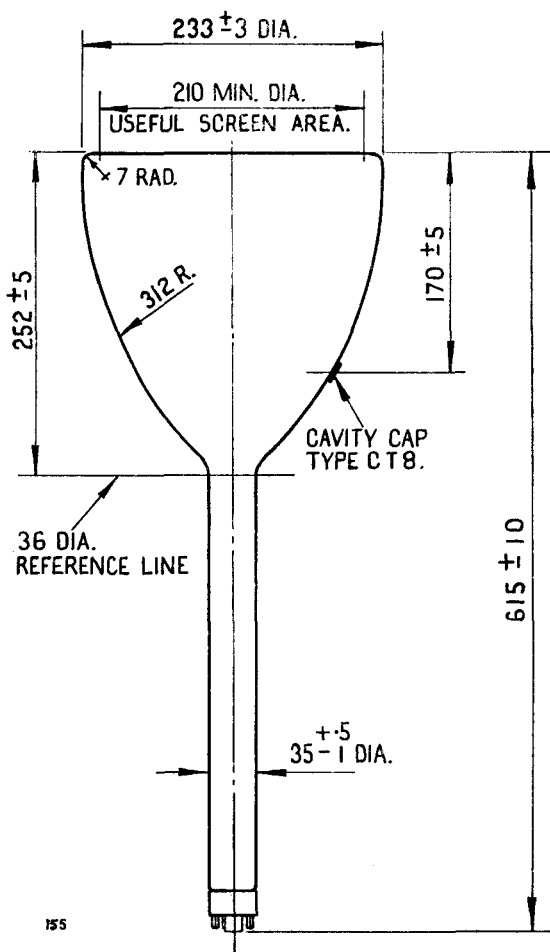
CAPACITANCE.

C_k —all	...	...	...	<8pF.
C_g —all	...	...	...	<8pF.

X-RAY WARNING: When operated at an anode voltage in excess of 16 kV. shielding may be required to protect against harmful X-ray radiation which could cause possible injury from prolonged exposure.

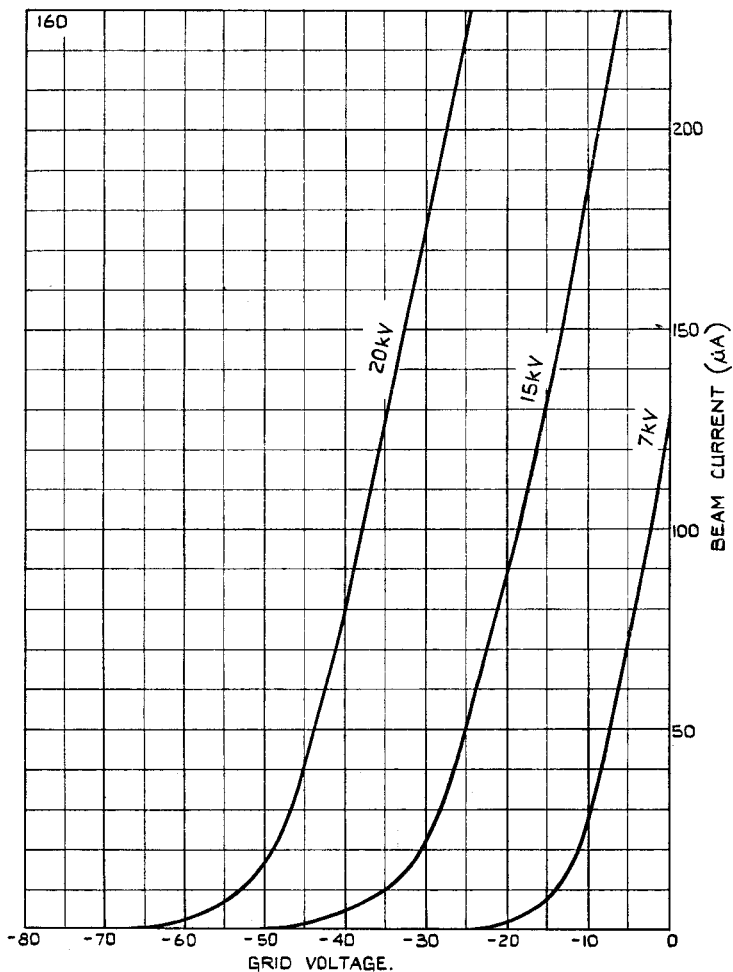


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ALL DIMENSIONS IN MILLIMETERS

TYPICAL ANODE CURRENT/GRID VOLTAGE CHARACTERISTIC



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