

FERRANTI RADAR TUBE

12/05HM

A 12in. diameter flat faced Radar Display Tube primarily designed for P.P.I. applications. Replacement type.*

FOCUS Magnetic.

DEFLECTION Magnetic.

SCREEN.

Phosphor	Type H.
Fluorescence	Orange.
Afterglow	Orange.
Persistence	Very Long.

PHYSICAL DETAILS.

Base	International Octal.
Anode Cap	CT1
Max. Overall Length	495 mm.
Neck Diameter	35 mm. nominal.

For other dimensions see drawing.

BASE CONNECTIONS.

Pin 1—Not Connected.	Pin 5—Grid.
Pin 2—Heater.	Pin 6—Not Connected.
Pin 3—1st Anode.	Pin 7—Cathode.
Pin 4—Not Connected.	Pin 8—Heater.
Side Contact—2nd Anode.	

HEATER.

Heater Voltage	6.3 volts.
Heater Current	0.3 amp.

RATINGS.

Max. 1st Anode Voltage	850 volts.
Max. 2nd Anode Voltage	15.0 kV.
Min. 1st Anode Voltage	600 volts.
Min. 2nd Anode Voltage	10.0 kV.
Max. Cathode Current	150 μ A.
Max. V_{h-k}	200 volts.
Max. R_{h-k}	1.0 M Ω
Max. R_{g-k}	1.5 M Ω

CAPACITANCES.

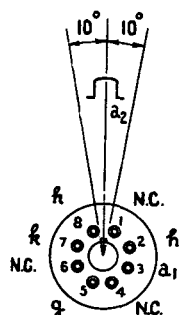
C_{k-all}	<8 pF.
C_{g-all}	<8 pF.

TYPICAL OPERATING CONDITIONS.

1st Anode Voltage	800 volts.
2nd Anode Voltage	10 kV.
V_g for visual cut off	-80 volts.
Av. Mod. Drive for 50 μ A.	
Beam Current	20 volts
†Focus Coil	640 amp. turns (approx.).

*This tube is equivalent to CV1869 or CV2328.

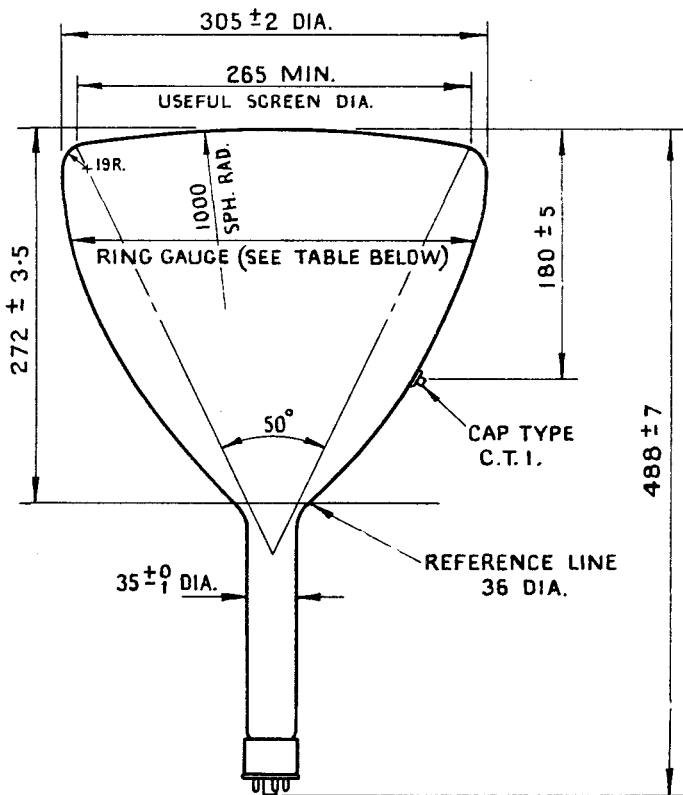
†Positioned so that the centre of the gap is approx. 98 mms. from the reference line (36mm. Ring Gauge Position).



All dimensions in millimetres.



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RING GAUGE	DISTANCE FROM CENTRE OF SCREEN		
280	93	$\pm$	10
230	150	$\pm$	9
180	191	$\pm$	8
130	222	$\pm$	7
80	249	$\pm$	6