FERRANTI RADAR TUBE

12in. diameter flat faced Radar Display Tubes primarily designed for P.P.I. applications.

FOCUS Magnetic.
DEFLECTION Magnetic.

SCREEN.

12/04HM* 12/04JM Phosphor Type 'J' Blue. Type 'H' Fluorescence Orange Afterglow Orange Yellow. Persistence long long.

Both types have metal backed screens.

For further details refer to the relevant phosphor characteristics at the front of this section of the handbook.

PHYSICAL DETAILS.

 Base
 ...
 ...
 B12A (Duodecal).

 Anode Cap
 ...
 ...
 CT.2. (9 · 25mm. dia.)

 Max. Overall Length
 ...
 520mms.

 Neck diameter
 ...
 35mms. nominal

 For other dimensions, see drawing.

BASE CONNECTIONS.

 Pin I—Heater.
 Pin 7—No Connection.

 Pin 2—Grid.
 Pin 8—No Pin.

 Pin 3—No Pin.
 Pin 9—No Pin.

 Pin 4—No Pin.
 Pin 10—1st Anode.

 Pin 5—No Pin.
 Pin 11—Cathode.

 Pin 6—No Connection.
 Pin 12—Heater.

 Side Cap—2nd Anode.

HEATER.

Heater Voltage 6-3 volts. Heater Current 0-3 amp.

RATINGS.

Max. 1st Anode Voltage Max. 2nd Anode Voltage 600 volts. 15 · 0 kV. Min. 1st Anode Voltage 250 volts. ... Min. 2nd Anode Voltage 9 0 kV. ... Max. Cathode Current Max. Vh-k 150 μΑ. 200 volts. ... Max. R_{h-k} 1 ·0 MΩ. Max. Rg-k 1 ·5 MΩ.

CAPACITANCES.

TYPICAL OPERATING CONDITIONS.

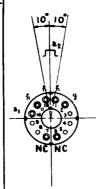
*This tube has a magnesium fluoride screen which is liable to burn even at low values of beam current, if operated with a spot which is stationary or slow moving.

‡Positioned so that the centre of the gap is approx. 120mms, from the reference line (36mm. Ring Gauge Position).

This tube was formerly designated A12/04.

12/04 HM

12/04 JM



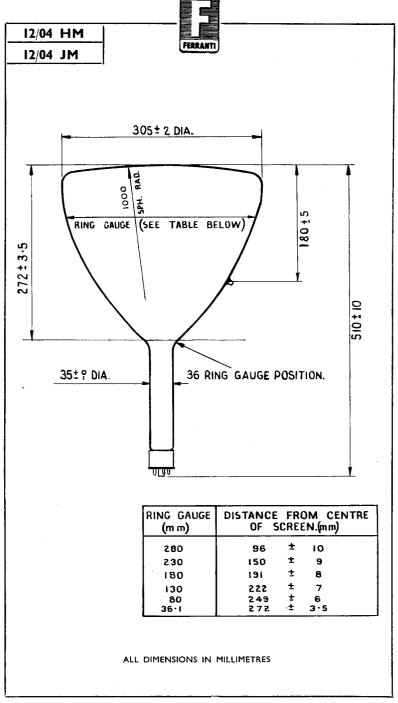
Base Connections Underside View

of Base

The anode cap can lie within 15° either side of the centre line as indicated in the diagram.



Issue 1. Feb., 1957.

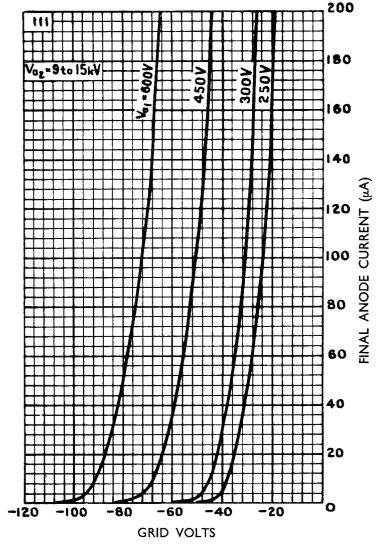


FERRANTI LIMITED, GEM MILL, CHADDERTON, OLDHAM, LANCS.



12/04 HM

12/04 JM



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