TYPE CI2FM

NΡ NP

B12A (DUODECAL) BASE

MAGNETIC TELETUBE WITH TETRODE GUN, ION TRAP AND EXTERNAL CONDUCTIVE COATING

RATINGS										
*Heater Voltage Heater Current Final Anode Voltage (V ₂₂) First Anode Voltage (V ₃₁) Beam Current Peak Heater to Cathode Pote † Peak Heater to Cathode Pote	 ential					6.3 volts 0.3 amp. 9 kV max. 350 volts max. 175 μA max. 150 volts max. 250 volts max.				
OPERATING CHARACTERISTICS										
Final Anode Voltage First Anode Voltage Grid Voltage (Vg1) for Cut-o Peak to Peak Modulation for Focusing Coil requirements of Distance from Modulator Gr	 ff Maxim with ‡	 num Be inch G	am Cu ap	rrent		7 kV 200 volts —40 volts 25 volts 600 amp. turns approx.				
Coil Gap Scanning Power for Coil of N	•••		•••			2 inches approx. 4 amp. turns per cm. approx.				
INTERGREGATION OF THE CONTROL OF TH						7.0 pF 5.0 pF 2,000 pF				

^{*} Under series operated conditions the maximum heater voltage must not exceed 7.5 volts RMS. This may be ensured by the use of a suitable Brimistor to reduce the switching surge.

ADJUSTMENT OF ION-TRAP MAGNET

(A suitable magnet is the IT6 from Messrs. Elac Ltd.)

The magnet should be located on the neck with the arrow pointing towards the screen and along the line marked on the neck. With an unmodulated raster the magnet should be slid up the neck to give the brightest picture. It may be necessary to re-adjust the focus during this operation and after doing so the magnet setting should again be adjusted for optimum brightness. It is important to set the ion-trap magnet correctly, as incorrect positioning may lead to premature failure of the tube.

DIMENSIONS

Overall Length		•••			 460 mm. ± 5 mm.
Overall Diameter	•••		•••	• • •	370 mm. + 1, —7 mm.
Neck Diameter					 33 mm. to 35.5 mm.

[†] Heater Negative with respect to Cathode and only during warm-up period of 15 secs, maximum duration.