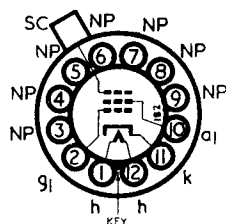


Current Equipment Type
TYPE C2ITM
B12A (DUODECAL)
BASE



The BRIMAR C21TM is a rectangular 90° deflection angle teletube with magnetic focus, a tetrode gun incorporating an ion trap, aluminized screen and external conductive coating. The screen colour is white, with a grey glass faceplate with a transmission of approximately 70 per cent.

RATINGS

Heater Voltage	...	...	...	...	...	12.6 volts
Heater Current	...	...	...	...	...	0.3 amp.
Final Anode Voltage (V_{a2})	...	...	...	...	...	20 kilovolts max.
Final Anode Voltage (V_{a2})	...	...	...	...	...	14 kilovolts min.
First Anode Voltage (V_{a1})	...	...	...	...	...	500 volts max.
Grid Voltage (V_g)	...	...	...	...	...	—125 volts max. negative
Heater-Cathode Voltage (V_{hk}), cathode positive	...	...	...	...	...	180 volts d.c. max.
Heater-Cathode Voltage (V_{hk}), cathode positive †	...	...	...	...	...	400 volts d.c. abs. max.
Diagonal Deflection Angle	...	...	...	...	...	90° approx.

† During warm-up, for a period not exceeding 1 minute after switching on.

OPERATING CHARACTERISTICS

Final Anode Voltage	...	...	...	...	...	18 kilovolts
First Anode Voltage	...	...	...	...	...	300 volts
Peak to Peak Modulating Voltage for Beam Current of 150 μ A	...	...	...	...	...	26.5 volts average
Grid Voltage to cut off beam current	...	...	...	...	...	—30 to —72 volts
Field Strength of Ion-Trap Magnet	...	...	...	...	...	63 gauss

INTER-ELECTRODE CAPACITANCES

Grid to all ...	...	...	...	...	...	8.5 pF max.
Cathode to all ...	...	...	...	...	...	6.5 pF max.
Final Anode to External Coating	...	...	...	...	...	700 pF approx.

NOTES:

- A. No harmful X-ray radiation is produced by this tube when operated at final anode voltages below 16 kV. At voltages above 16 kV, some shielding may be necessary to protect against prolonged exposure at close range.
- B. The ion-trap magnet should be adjusted to give the brightest picture. Failure to do this may shorten the life of the tube.

Outline and Reference Line Gauge as type C21SM

