



ELECTRONIC TUBE REFERENCE

14KP4A

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Electronic Tubes Ltd. 14KP4A 14-inch gray-face monochrome television CRT with magnetic focus and 70-degree deflection, ion trap, and 6.3 V 0.3 A heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B12A	BASE PINS	12
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray**MAXIMUM PLATE VOLTAGE** 14000 V

14KP4A CRT: maximum anode2 HV 14000 V; anode1 focusing electrode 200–410 V (not a screen-grid rating). Grid minimum -1 V; grid voltage at visual cutoff conditional $-0.24 \times \text{anode1 voltage}$. Peak heater-negative-to-cathode maximum 150 V. Typical anode2 12000 V, anode1 250 V, grid drive for peak brightness 30 V, peak cathode current 195 μA . Grid resistor max 1 M Ω . White phosphor gray-face (~66% transmission), magnetic focus/deflection 70° diagonal, ion trap. Capacitances grid-to-all 6.5 pF, cathode-to-all 5.5 pF, anode2-to-coating 1200 pF. Heater switching surge ≤ 8.5 V.

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