



ELECTRONIC TUBE REFERENCE

14KP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Electronic Tubes Ltd. 14KP4 14-inch rectangular monochrome television CRT with magnetic focus and 70-degree deflection, P4 phosphor and ion trap.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	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	10000 V
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14KP4 television CRT: max anode2 HV 10000 V; max anode1 voltage $0.038 \times Va2$ (e.g., 380 V when $Va2=10000$ V), so no fixed screen-voltage scalar promoted. Typical $Va2$ 9000 V, $Va1$ 250 V, grid drive for peak brightness 30 V nominal/40 V max, grid cutoff -40 V nominal/-60 V max, cathode current at peak brightness ~ 0.225 mA, focus field ~ 320 gauss. Heater-negative-to-cathode max 150 V. P4 phosphor, magnetic focus and 70° deflection, ion trap required. Grid-to-other capacitance 6 pF, cathode-to-other 5 pF, external coating-to-anode2 500-2000 pF.