



ELECTRONIC TUBE REFERENCE

15EP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Electronic Tubes Ltd. 15EP4 15-inch monochrome television CRT with magnetic focus and deflection, white screen, 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** 10000 V

15EP4 CRT: maximum anode2 HV 10000 V; anode1 max $0.038 \times V_{a2}$ (380 V at $V_{a2}=10000$ V), not an unconditional screen-grid rating. Max mean cathode current 275 μ A; heater-negative-to-cathode peak max 150 V. Grid minimum -1 V, visual cutoff grid limit $-0.24 \times V_{a1}$, grid resistor max 1 M Ω . Typical V_{a2} 9000 V, V_{a1} 250 V, grid drive 30 V for peak brightness, cathode current at peak brightness 275 μ A, focusing field 280 gauss. White screen, magnetic focus/deflection $\sim 52^\circ$, ion trap. Grid capacitance 6.5 pF, cathode capacitance 5.5 pF, coating-to-anode2 500–2000 pF. Heater switching surge ≤ 8.5 V.