



ELECTRONIC TUBE REFERENCE

12HP7

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

12HP7 12-inch P7 phosphor cathode-ray tube with electrostatic focusing and two-axis electrostatic deflection, 6.3 V 0.6 A heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	11
NOMINAL HEATER	6.3 V / 600 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** 5500 V

12HP7 electrostatic focus and deflection CRT. Max anode2 HV 5500 V, anode1 focus 1500 V, control grid never positive, peak anode2-to-deflection-plate voltage ≤ 1000 V. Grid circuit resistance max 1.5 M Ω , deflection supply impedance at heater frequency max 1 M Ω . Typical anode2 5000 V, anode1 focus 1150 V (+25%/-30%), grid cutoff -90 $\pm$ 50 V. Deflection factors D1-D2 19 V/(inch kV) $\pm$ 20%, D3-D4 25 V/(inch kV) $\pm$ 20%. P7 phosphor, maximum grid-to-others capacitance 12 pF, deflection pair capacitance 3 pF each, deflection-to-others 11 pF max. RMA release #349 (1943).

TUBE TINKER

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