ELECTRONIC TUBE REFERENCE

3NP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

North American Philips 3NP4 magnetic-focus and magnetic-deflection projection television CRT with aluminized white P4 screen, 25 kV anode rating and 6.3 V 0.6 A heater.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	5
NOMINAL HEATER	6.3 V / 600 mA	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Cathode Ray

MAXIMUM PLATE VOLTAGE	25000 V

JETEC 1949 3NP4 magnetic-focus/magnetic-deflection projection CRT, aluminized white P4 screen. Maximum anode HV 25000 V DC, grid negative bias magnitude 125 V, grid positive DC 0 V and peak +2 V; heater-negative-to-cathode peak 175 V, heater-positive max 10 V; grid resistor max 1.5 MΩ. Typical anode 24000 V, grid cutoff -36 to -84 V, focus coil current ~120 mA, spot offset max 3 mm. Cathode-to-all capacitance 8 pF, grid-to-all 14 pF, external coating-to-anode 275–375 pF. Magnetic deflection ~42°, five-contact base with J1-22 recessed ball anode contact. 6.3 V 0.6 A heater.

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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