



ELECTRONIC TUBE REFERENCE

19BEP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Le Cathoscope Français 19BEP4 rectangular 19-inch television CRT with electrostatic focus, 110-degree magnetic deflection, aluminized white P4 phosphor and 6.3 V 0.3 A heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8HR	BASE PINS	7
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** 20000 V

Le Cathoscope Français 19BEP4 CRT, JEDEC 1961. Electrostatic focus, magnetic 110° deflection, aluminized P4 white short-persistence screen. Max anode-to-grid1 20000 V, min 14000 V; grid2-to-grid1 max 700 V, grid2-to-cathode max 550 V; grid4-to-grid1 positive max 1100 V, negative limit -550 V. Heater-negative-to-cathode peak max 450 V for first 15 s of warm-up, then 200 V, heater positive max 200 V; grid1 circuit resistance max 1.5 MΩ. Typical anode 16000 V, grid2-to-grid1 400 V, grid4 focus 0-400 V, cathode-to-grid1 cutoff 18-42 V, centering magnet 0-8 gauss. Capacitances grid1-all 6 pF, cathode-all 5 pF, external coating-to-anode 1000-1500 pF, external coating must be grounded. B7-208/8HR base and J1-29 recessed cavity anode cap; pinout notes on parent require verification.

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