



ELECTRONIC TUBE REFERENCE

10KP17

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

10KP17 10-inch radar oscillograph CRT with magnetic focus and deflection and a metal-backed dual-persistence P17 screen, 6.3 V 0.6 A heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	12D	BASE PINS	12
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	12000 V
MAXIMUM SCREEN VOLTAGE	700 V
<i>10KP17 CRT: maximum anode/grid3 12000 V DC; grid2 +700 V or -180 V, grid1 negative bias -180 V and positive peak +2 V; grid1 drive from cutoff max 65 V. Heater-cathode ± 150 V normally, exceptional 410 V heater-negative for ≤ 15 s warm-up. Typical V_a 9000 V, grid2 250 V, grid1 cutoff -27 to -63 V, focusing-coil current 105 mA. Grid1 circuit resistance max 1.5 MΩ. Near maximum positive grid1 bias limit anode input power to 6 W. P17 dual-persistence greenish/yellow metal-backed phosphor, magnetic focus/deflection $\sim 50^\circ$. Cathode capacitance 5 pF, grid1 capacitance 6 pF.</i>	

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