



ELECTRONIC TUBE REFERENCE

12ZP4A

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Sheldon 12ZP4A 12¼-inch monochrome television CRT with magnetic focus and deflection, ion-trap gun, gray-tinted metal-backed P4 white screen and 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	410 V
<i>Sheldon 12ZP4A CRT. Maximum anode 12000 V DC, grid2 accelerator 410 V DC, grid1 negative bias -125 V, positive DC bias 0 V, positive peak +2 V; heater-cathode ±140 V normal, heater-negative 410 V warm-up ≤15 s. Typical anode 11000 V, grid2 250 V, grid1 visual cutoff -27 to -63 V; focusing-coil current ~135 mA, ion-trap current ~85 mA. Grid1 circuit resistance max 1.5 MΩ. P4 white medium persistence gray-tinted (~70% light transmission) metal-backed screen; magnetic focus and deflection ~54°. Cathode capacitance 5 pF, grid1 capacitance 8 pF, external coating-to-anode2 500-2500 pF. Separate anode bulb cap J1-21.</i>	

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