



ELECTRONIC TUBE REFERENCE

5CHP11

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch character-writing CRT using magnetic beam positioning with auxiliary electrostatic deflection for high-speed computer readout and electronic character formation. Its high-voltage display system supports rapid generation of alphanumeric information.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
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	27000 V
MAXIMUM SCREEN VOLTAGE	700 V
<i>Character-writing CRT with magnetic positioning and electrostatic auxiliary character deflection.</i>	

Character-writing CRT using magnetic beam positioning with an auxiliary electrostatic deflection system for high-speed computer read-out and electronic character formation.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1945 Litton Industries

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1945 LITTON INDUSTRIES

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen Voltage Maximum	—27000 V	Screen/ultor
Grid 2 Voltage Maximum	—700 V	—
Grid 1 Negative Bias Maximum	—200 V	Magnitude
Screen Voltage Typical	27000 V	—
Grid 2 Voltage Typical	500 V	—
Grid 1 Visual Extinction Voltage	-110 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid 1 Capacitance	8 pF	To all other electrodes
Cathode Capacitance	5 pF	To all other electrodes
Phosphor	P-11	Aluminized blue; fast decay
Deflection Angle	40 deg	Magnetic
Auxiliary Deflection Angle	10 deg	Electrostatic
Electrostatic Deflection Sensitivity	0.375 in/1000V	At 20 kV anode; approximate

TUBE TINKER

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and their source documents.

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