



ELECTRONIC TUBE REFERENCE

23ERP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Twenty-three-inch direct-view monochrome television picture tube with electrostatic focusing, magnetic deflection, and high-voltage operation. Manufacturer data documents its large-screen receiver-display construction, optical characteristics, and picture-tube operating limits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM SCREEN VOLTAGE	14 V
CRT-specific ratings, operating conditions, capacitances, focus/deflection, cutoff, optical, and screen data are retained in section parameters.	

Direct-view cathode-ray picture tube for television display service, using picture-tube focusing and magnetic deflection. The supplied datasheet was used for heater data, electrode ratings, focus and deflection information, capacitances, optical data, screen characteristics, and applicable operating limits.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
1 14° MAGNETIC DEFLECTION – published value 1	1 V	Published CRT datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
1 14° MAGNETIC DEFLECTION – published value 2	14 V	Published CRT datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Neater Current at 6.3 V – published value 1	6.3 mA	Published CRT datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Neater Current at 6.3 V – published value 2	600 mA	Published CRT datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Neater Current at 6.3 V – published value 3	30 mA	Published CRT datasheet value; multiple numbers on one source row represent separate limits or operating conditions.