

ELECTRONIC TUBE REFERENCE

23ECP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Twenty-three-inch 92-degree cathode-drive monochrome television CRT with electrostatic focus, magnetic deflection, low grid-2 operation, and a bonded implosion-protection panel. Its high-voltage design supports large direct-view receiver pictures.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
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	25000 V
Published CRT maximum ratings, operating conditions, capacitances, and deflection/focus data retained; X-ray precautions apply at elevated EHT.	

23-inch 92-degree cathode-drive television CRT with low-grid-2 operation and bonded implosion panel.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	Electrostatic	—
Deflection method	Magnetic	—
Horizontal deflection angle	81 deg	—
Vertical deflection angle	66 deg	—
Diagonal deflection angle	92 deg	—
Heater voltage	6.3 V	—
Heater current	600 mA	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode-to-all capacitance	5 pF	—
Grid1-to-all capacitance	6 pF	—
External coating capacitance minimum	2000 pF	—
External coating capacitance maximum	2500 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage maximum	25000 V	—
Anode voltage minimum	16000 V	—
Typical anode voltage	20000 V	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Monochrome television picture display	—