



ELECTRONIC TUBE REFERENCE

23EGP22

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Twenty-three-inch 92-degree three-gun color television picture tube with electrostatic bipotential focusing, magnetic convergence and deflection, and a P22 color screen. Its high-voltage direct-view construction is designed specifically for color television display.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.35 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	27500 V
<i>Published CRT maximum ratings, operating conditions, capacitances, and deflection/focus data retained; X-ray precautions apply at elevated EHT.</i>	

23-inch 92-degree three-gun color television CRT with magnetic convergence and P22 color screen.



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

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gun count	3	—
Focus lens	Bipotential	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	Electrostatic	—
Convergence method	Magnetic	—
Deflection method	Magnetic	—
Diagonal deflection angle	92 deg	—
Horizontal deflection angle	80 deg	—
Vertical deflection angle	68 deg	—
Heater voltage nominal	6.3 V	—
Heater current	1.35 A	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid1 capacitance per gun	16 pF	—
All-cathodes capacitance	10 pF	—
Focus-electrode capacitance	12 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage maximum	27500 V	—
Anode voltage minimum	20000 V	—
Heater voltage maximum	6.9 V	—

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