



ELECTRONIC TUBE REFERENCE

25VAFP22

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Twenty-five-inch color television picture tube with three electrostatically focused guns, magnetic convergence/deflection, and an aluminized P22 tricolor screen. High-voltage direct-view construction and shadow-mask color presentation place it firmly in color receiver service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 900 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray*No fixed ratings recorded.**Three-gun color CRT electron-gun/display assembly.*

25-inch 90-degree three-gun color television CRT with bipotential electrostatic focus and P22 color screen.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Westinghouse Data Book

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

1965 WESTINGHOUSE DATA BOOK

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	900 mA	—
Electron Guns	3 count	RedBlueGreen
Focusing Method	Electrostatic text	—
Focus Lens	Bipotential text	—
Convergence Method	Magnetic text	—
Deflection Method	Magnetic text	—
Diagonal Deflection Angle	90 deg	Approximate
Horizontal Deflection Angle	78 deg	Approximate
Vertical Deflection Angle	60 deg	Approximate
Grid1-to-All Capacitance	9 pF	AnyGun
Parallel Cathodes-to-All Capacitance	12 pF	AllGunsParallel
Focus Electrode-to-All Capacitance	9 pF	Grid3
External Coating-to-Anode Capacitance Minimum	2000 pF	—
External Coating-to-Anode Capacitance Maximum	2500 pF	—
Phosphor	Aluminized Tri-color P22 text	—
Shadow Mask	Temperature Compensated text	—
Screen Area	315 sq in	Approximate

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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