ELECTRONIC TUBE REFERENCE

21FBP22

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Twenty-one-inch color television picture tube with electrostatic focusing, magnetic deflection, and a P22 color screen. Its high-voltage direct-view construction is designed for color receiver service and carries published X-ray precautions.

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

No fixed ratings recorded.

Television CRT electron-gun/display section.

The 21FBP22 is a 21-inch television cathode-ray tube with magnetic deflection and P22 phosphor.

SOURCE OPERATING CONDITIONS

SOURCE PDF

1965 Sylvania Electronic Tubes Vol3

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

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Cathode Ray

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	**6.3 V**	—
Heater Current	**600 mA**	—
Focusing Method	**Electrostatic text**	—
Deflection Method	**Magnetic text**	—
Phosphor	**P22 text**	—
Fluorescence	**Color text**	—
Persistence	**Medium text**	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	**25000 V**	RepresentativeFamilyLimit
Typical Anode Voltage	**18000 V**	RepresentativeFamilyOperatingPoint
Maximum Grid2 Voltage	**700 V**	RepresentativeFamilyLimit
Maximum Grid1 Negative Bias	**220 V**	RepresentativeFamilyLimit
Maximum Heater-Cathode Voltage	**200 V**	AfterWarmup
Maximum Grid1 Circuit Resistance	**1.5 Mohm**	—

TUBE TINKER

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

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