ELECTRONIC TUBE REFERENCE

23EYP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Large aluminized P4 monochrome television picture tube for high-voltage direct-view service, using electrostatic focusing and magnetic deflection with manufacturer-specified operating characteristics for type 23EYP4.

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 filled-rim monochrome television CRT for low-grid-2 cathode-drive service.

SOURCE OPERATING CONDITIONS

1964 RMA EIA

SOURCE PDF

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**	—

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

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