ELECTRONIC TUBE REFERENCE

23GP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Large P4 monochrome cathode-ray picture tube documented by manufacturer data for direct-view television display, with high-voltage operation and conventional beam focusing and deflection for type 23GP4.

General characteristics

BASE DESIGNATION	8HR	**BASE PINS**	8
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	20000 V
MAXIMUM SCREEN VOLTAGE	500 V
MAXIMUM HEATER-CATHODE VOLTAGE	180 V

CRT anode and grid-2 maximum ratings are promoted from the printed ratings block; other CRT-specific focus/drive/deflection values are preserved in parameters.

23-inch electrostatic-focus, magnetic-deflection picture tube; X-ray shielding warning published.

SOURCE OPERATING CONDITIONS

1956 National Video

SOURCE PDF

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

1956 NATIONAL VIDEO

Section 1 · Cathode Ray

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Anode Voltage	**16000 V**	—
Phosphor	**P4**	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage Nominal	**6.3 V**	—
Heater Current Nominal	**600 mA**	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode to All Other Electrodes Capacitance	**5 pF**	Approximate
Grid 1 to All Other Electrodes Capacitance	**6 pF**	Approximate

TUBE TINKER

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

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