



ELECTRONIC TUBE REFERENCE

5BRP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Five-inch direct-view instrument CRT with electrostatic focusing, magnetic deflection, an aluminized P4 screen, and approximately 70-degree deflection. Its construction supports bright specialized monitoring and display applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9HT	BASE PINS	9
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	10000 V
Cathode-ray electron-gun/display section.	

Five-inch direct-view CRT with electrostatic focus, magnetic deflection, aluminized screen, and approximately 70-degree deflection.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Cathode Ray

OTHER

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



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

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode to all other electrodes capacitance	3 pF	—
Grid No. 1 to all other electrodes capacitance	6.5 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage	10000 V	—
Grid No. 4 focus voltage range	-550–1100 V	—
Maximum grid No. 2 voltage	770 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak heater-cathode voltage, heater negative	180 V	—
Peak heater-cathode voltage, heater positive	180 V	—
Typical anode voltage	8000 V	—
Typical grid No. 4 focus voltage range	-50–350 V	—
Typical grid No. 2 voltage	300 V	—
Grid No. 1 cutoff voltage range	-45–-15 V	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical line width	0.014 in	—
Maximum undeflected spot-position radius	0.25 in	—

CIRCUITVALUE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid No. 1 circuit resistance maximum	1.5 MOhm	—

TUBE TINKER

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

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