



ELECTRONIC TUBE REFERENCE

5EDP1

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch P1 cathode-ray instrument tube for oscillograph or measurement display, with manufacturer-specified focusing, deflection, accelerating voltages, and phosphor characteristics for precision waveform presentation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B6-63	BASE PINS	6
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION0 Cathode Ray
No fixed ratings recorded.
CRT electrode ratings, focusing/deflection data, capacitances, and operating voltages are preserved in parameter rows.

5-inch high-resolution cathode-ray tube with electrostatic focus, magnetic deflection, flat optical-quality faceplate, and fine-grain aluminized phosphor screen.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1951 Thomas Electronics

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

1951 THOMAS ELECTRONICS

Section 0 · Cathode Ray

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FocusingMethod	Electrostatic	—
DeflectionMethod	Magnetic	—
Deflection Angle	42 degree	—
Heater Voltage	6.3 V	—
Heater Current	600 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumMainAnodeOrAcceleratorVoltage	30000 V	—
TypicalMainAnodeOrAcceleratorVoltage	25000 V	—
MaximumFocusingElectrodeVoltage	9000 V	—
Maximum Grid2 Voltage	1000 V	—
TypicalFocusingElectrodeVoltage	6300–7500 V	—
Typical Grid2 Voltage	650 V	—
Grid1CutoffVoltage	-70--30 V	—
Maximum Heater Cathode Voltage	150 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode To All Capacitance	7 pF	—
Grid1 To All Capacitance	12 pF	—
Grid2 To All Capacitance	11 pF	—

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

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