

Five-inch high-resolution cathode-ray tube with magnetic focusing and deflection, clear non-browning faceplate, and aluminized fine-grain phosphor screen. Designed for precision display and image-generation applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B7-51	BASE PINS	7
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.

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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	Magnetic	—
DeflectionMethod	Magnetic	—
Deflection Angle	42 degree	—
Heater Voltage	6.3 V	—
Heater Current	600 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumMainAnodeOrAcceleratorVoltage	22000 V	—
TypicalMainAnodeOrAcceleratorVoltage	20000 V	—
MinimumAcceleratorVoltage	10000 V	—
Maximum Grid2 Voltage	1500 V	—
Typical Grid2 Voltage	1000 V	—
Grid1CutoffVoltage	-110--35 V	—
Maximum Heater Cathode Voltage	180 V	—

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

TUBE TINKER

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

