



ELECTRONIC TUBE REFERENCE

5AFP1

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

CATHODERAY-CATHODERAY

Five-inch electrostatic cathode-ray instrument tube with post-deflection acceleration, adjustable focusing, and published deflection sensitivity for oscilloscope and precision waveform display.

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

No fixed ratings recorded.

CRT electron-gun/display section; CRT-specific ratings and operating data are stored as parameters.

SECTION2 Cathode Ray

No fixed ratings recorded.

Second independent beam/gun section; same published electrical system.

Dual-beam 5-inch flat-face electrostatic-focus and electrostatic-deflection cathode-ray tube with low trace interaction and high deflection accuracy.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Du Mont

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

1960 DU MONT

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	1 code	Electrostatic
Deflection method	1 code	Electrostatic
Deflection factor D1-D2	—	Published range 54 to 66 V/in
Deflection factor D3-D4	—	Published range 48 to 60 V/in

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Accelerator voltage maximum	3500 V	—
Accelerator voltage	2000 V	—
Post-accelerator voltage maximum	10500 V	—
Post-accelerator voltage	4000 V	—
Grid No. 1 voltage	—	Published range -87 to -53 V
Grid No. 1 negative bias maximum	200 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode to all other electrodes	3.4 pF	Approximate or first published bound
Grid No. 1 to all other electrodes	3.2 pF	Approximate or first published bound

1960 DU MONT

Section 2 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	1 code	Electrostatic
Deflection method	1 code	Electrostatic
Deflection factor D1-D2	—	Published range 54 to 66 V/in
Deflection factor D3-D4	—	Published range 48 to 60 V/in

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Accelerator voltage maximum	3500 V	—
Accelerator voltage	2000 V	—
Post-accelerator voltage maximum	10500 V	—
Post-accelerator voltage	4000 V	—
Grid No. 1 voltage	—	Published range -87 to -53 V
Grid No. 1 negative bias maximum	200 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
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TUBE TINKER

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