

ELECTRONIC TUBE REFERENCE

5CSP5

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Five-inch flat-screen single-gun recording CRT with three pairs of electrostatic deflection plates, designed for rotating-drum camera recording of very-high-frequency pulses on a spiral time base.

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. Cathode-ray electron-gun section; CRT-specific ratings are retained in TUBE_SECTION_PARAMETER because fixed plate/screen fields are not semantically equivalent.

The ETC 5CSP5 is a five-inch flat-screen single-gun cathode-ray tube with three pairs of electrostatic deflection plates, designed for rotating-drum camera recording of very-high-frequency pulses on a spiral time base.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Electronic Tube Corp

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

1961 ELECTRONIC TUBE CORP

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current nominal	600 mA	—
Maximum negative grid-1 bias magnitude	200 V	—
Maximum positive grid-1 bias	0 V	—
Maximum heater-to-cathode voltage magnitude	180 V	—
Typical accelerator voltage	3500 V	—
Typical focusing voltage	575–575 V	—
Typical grid-1 voltage	-75--56 V	—
Typical anode 3 voltage minimum	3000 V	—
Typical anode 3 voltage maximum	4000 V	—
Typical anode 2 voltage minimum	1500 V	—
Typical anode 2 voltage maximum	2000 V	—
Beam cutoff grid voltage minimum	-75 V	—
Beam cutoff grid voltage maximum	-56 V	—
Deflection factor D1-D2 minimum	72 V/in	—
Deflection factor D1-D2 maximum	100 V/in	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection factor D5-D6 minimum	110 V/in	—
Deflection factor D5-D6 maximum	160 V/in	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	Electrostatic	—
Deflecting method	Electrostatic	—
Electron gun / beam count	1	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Phosphor options	P5,P11	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid to all other electrodes	7.5 pF	—
D1 to D2	1.1 pF	—
D3 to D4	1.2 pF	—
D5 to D6	0.8 pF	—