

ELECTRONIC TUBE REFERENCE

5CTP1

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS
CONSTRUCTION
CATHODERAY

Five-inch dual-beam oscilloscope CRT with electrostatic focusing and deflection and a multiband post-accelerator. Each beam is independently controlled except for common post-acceleration, enabling simultaneous waveform comparison.

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.
Representative row for identical electron-gun sections.

The ETC 5CTP1 is a dual-beam electrostatic-focus and electrostatic-deflection cathode-ray tube with a multiband post-accelerator. Each beam is independently controlled except for common post-acceleration.

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 post-accelerator voltage	5600 V	—
Maximum accelerator voltage	2200 V	—
Maximum focusing voltage	1500 V	—
Maximum negative grid-1 bias magnitude	200 V	—
Maximum positive grid-1 bias	0 V	—
Maximum heater-to-cathode voltage magnitude	180 V	—
Typical post-accelerator voltage	6000 V	—
Typical accelerator voltage	2000 V	—
Typical focusing voltage	300–550 V	—
Typical grid-1 voltage	-70–-30 V	—
Modulation factor maximum	50 V	—
Line width maximum	0.028 in	—
Deflection factor D1-D2 minimum	65 V/in	—
Deflection factor D1-D2 maximum	75 V/in	—
Deflection factor D3-D4 minimum	25 V/in	—
Deflection factor D3-D4 maximum	35 V/in	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	Electrostatic	—
Deflecting method	Electrostatic	—
Electron gun / beam count	2	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Phosphor options	P1,P2,P7,P11	—