ELECTRONIC TUBE REFERENCE

700E

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Instrument cathode-ray tube with a 2 × 1 inch rectangular face, electrostatic focusing and deflection, low deflector-plate current, and high brightness, especially suited to banked digital-information displays.

General characteristics

BASE DESIGNATION	_	**BASE PINS**	_
NOMINAL HEATER	6.3 V / 300 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-specific focus/anode/deflection ratings do not map to ordinary plate fields; preserved as parameters after visual page inspection.

The 700E is an instrument cathode-ray tube with a 2 x 1 inch rectangular face, electrostatic focus and deflection, low deflector-plate current, and high brightness, especially useful in banks for digital-information display.

SOURCE OPERATING CONDITIONS

1968 General Electric Co

SOURCE PDF

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

1968 GENERAL ELECTRIC CO

Section 1 · Cathode Ray

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Focus Voltage	**——1 kV**	—
First and Third Anode Voltage	**1.5–2.5 kV**	—
Negative Grid Voltage	**0–200 V**	—
X Deflector Plate Peak Voltage	**500 V**	—
Y Deflector Plate Peak Voltage	**500 V**	—
Heater-Cathode Voltage	**180 V**	—
First and Third Anode Voltage	**2 kV**	CharacterGeneration
Second Anode Voltage	**60 V**	CharacterGeneration

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum X Deflection Factor	**46 V/cm**	—
Maximum Y Deflection Factor	**107.2 V/cm**	—

TUBE TINKER

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

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