

ELECTRONIC TUBE REFERENCE

4096AB

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Compact electrostatic cathode-ray instrument tube with a 2.5-inch screen, approximately 2 kV second-anode operation, and published horizontal and vertical deflection sensitivity for waveform display.

GENERAL CHARACTERISTICS

BASE DESIGNATION	American Small Shell Octal	BASE PINS	8
NOMINAL HEATER	2 V / 1.7 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	2000 V
High-vacuum CRT; blue trace.	

High-vacuum cathode-ray tube with electrostatic deflection, blue screen, and 800–2,000 V second-anode operation.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Standard Valves

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

1937 STANDARD VALVES

Section 1 · Cathode Ray

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
SecondAnodeVoltage	800–2000 V	Published range

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumFirstAnodeCurrent	300 uA	Published datasheet value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Interelectrode capacitances published	1	See source table for individual capacitances



1947 Standard Valves

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

1947 STANDARD VALVES

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Second anode voltage	800–2000 V	—
Maximum second-anode current	300 uA	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cutoff voltage	-45–-35 V	At second anode 2000 V
X sensitivity	0.13 mm/V	At 2000 V
Y sensitivity	0.135 mm/V	At 2000 V

DIMENSIONS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen diameter	2.5 in	—

TUBE TINKER

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