

ELECTRONIC TUBE REFERENCE

DH1094

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Philips DH-series cathode-ray instrument tube designed for oscillographic and measurement display, with manufacturer-defined high-performance focusing, deflection, screen, and accelerating characteristics for type DH1094.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 550 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 optical, focusing, deflection, accelerating-voltage, scan, and capacitance data are retained in TUBE_SECTION_PARAMETER because the locked promoted fields primarily target conventional electrode sections.

High-sensitivity direct-view oscilloscope CRT with electrostatic focusing and double electrostatic deflection.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V2

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V2

Section 1 · Cathode Ray

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing	Electrostatic	OscilloscopeCRT
Deflection	Double electrostatic	OscilloscopeCRT
Screen fluorescence	Green to blue	OscilloscopeCRT
Screen persistence	Short	OscilloscopeCRT

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	OscilloscopeCRT
Heater current	550 mA	OscilloscopeCRT
Post accelerator voltage	4000 V	OscilloscopeCRT
Isolation shield voltage	2000 V	OscilloscopeCRT
Accelerator/focusing supply	2000 V	OscilloscopeCRT
Focusing voltage minimum	460 V	OscilloscopeCRT
Focusing voltage maximum	530 V	OscilloscopeCRT
Grid No.1 extinction voltage minimum	28 V	OscilloscopeCRT
Grid No.1 extinction voltage maximum	60 V	OscilloscopeCRT

TUBE TINKER

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and their source documents.

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