



ELECTRONIC TUBE REFERENCE

DH1078

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 DH1078.

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 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.

Flat-face post-deflection-acceleration cathode-ray oscilloscope tube. The source provides CRT heater, focusing/deflection, capacitance, scan/sensitivity and operating data where published.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Useful screen diameter	90 mm	Useful screen diameter 90 mm
Heater voltage Vf	-6.3 V	Heater voltage Vf-6.3V
Heater current If	300 mA	Heater current If = 0.3 A
Grid No	5 pF	Grid No.1 to all other electrodes Cg1 = 5.0 pF
Cathode to all other electrodes Ck	3.4 pF	Cathode to all other electrodes Ck = 3.4 pF
LINE WIDTH measured on a circle of	50 mm	LINE WIDTH measured on a circle of 50 mm diameter
Beam current	0.5 uA	Beam current 0.5μA 0.5μA 0.5μA
Line width l.w	0.45 mm	Line width l.w. = 0.45 mm 0.35 mm 0.45 mm V
Line width l.w	0.35 mm	Line width l.w. = 0.45 mm 0.35 mm 0.45 mm V
Accelerator voltage Vg	1000 V	Accelerator voltage Vg2.g4 = min. 1000 V
Focusing voltage V	150–350 V	Focusing voltage V83 = 150-350 V
focused spot -Vgt	22.5–37.5 V	focused spot -Vgt = 22.5-37.5 V
Useful screen diameter	90 mm	Useful screen diameter
Post-deflection acceleration present	1	Source explicitly describes post-deflection acceleration

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing voltage Vg	1500 V	Focusing voltage Vg3 = max. 1500 V

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker