



ELECTRONIC TUBE REFERENCE

DHM1093

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Philips DHM-series cathode-ray instrument tube for precision measurement display, with manufacturer-defined electron-optical, screen, focusing, and deflection characteristics for type DHM1093.

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

SECTION 1 Cathode Ray

No fixed ratings recorded.

Electrostatic CRT section; published focusing, deflection, capacitance, scan and operating data retained in parameter rows.

Dual-trace 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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Capacitances	3.3 pF	Capacitances 3.3 pF CD1 ' = 3.3 pF

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection factors for V	1–18 V	Deflection factors for V85/V84= 2 D1 - 18 V/cm 1)

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
j) With Vg	-1 V	j) With Vg3 set for focus and Vg1 = -1V
Post-deflection acceleration present	1	Source explicitly describes post-deflection acceleration
Independent beam/trace systems	2	Dual-trace/double-gun source description



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Useful screen diameter	90 mm	—
Useful vertical scan	70 mm	DualTrace

TUBE TINKER

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