



ELECTRONIC TUBE REFERENCE

DHM911

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

CATHODERAY-CATHODERAY

Philips DHM-series cathode-ray instrument tube for precision measurement display, with manufacturer-defined electron-optical, screen, focusing, and deflection characteristics for type DHM911.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.25 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray

No fixed ratings recorded.

Promoted fields mapped semantically from printed ratings/characteristics headings. Fixed promoted fields are largely inapplicable to this special-purpose device; additional published data is retained in TUBE_SECTION_PARAMETER where text recovery permits.

SECTION2 Cathode Ray

No fixed ratings recorded.

Second independent electron gun; electrically similar double-gun CRT section.

Flat-face double-gun 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
Heater voltage Vf	6.3 V	Heater voltage Vf = 6.3 V
Heater current If	1.25 A	Heater current If = 1.25 A
LINE WIDTH. measured on a circle of	50 mm	LINE WIDTH. measured on a circle of 50 mm diameter with
Accelerator voltage Vg	1.5 kV	Accelerator voltage Vg2.g4 = 1.5 kV
Beam current Il	1 uA	Beam current Il = 1.0 μA
Focusing voltage Vg	330–470 V	Focusing voltage Vg3 = 330 to 470 V
Negative grid No	1 V	Negative grid No.1 voltage
Accelerator voltage VB	1 kV	Accelerator voltage VB2 r B4 = min. 1.0 kV
Negative grid No	1 V	Negative grid No.1 voltage -VB1 1 V
Published CRT electrical value	-1 V	1) With V61 = -1.0 V and V83 set for focus
Independent beam/trace systems	2	Dual-trace/double-gun source description

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Line width l.w. = max	0.8 mm	Line width l.w. = max. 0.8 mm
Focusing voltage VB	600 V	Focusing voltage VB3 = max. 600 V

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
Section 1 · Cathode Ray

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
X deflection factor minimum	13.8 V/cm	per kV Vg2,g4
X deflection factor maximum	18.2 V/cm	per kV Vg2,g4
Y deflection factor minimum	9.1 V/cm	per kV Vg2,g4
Y deflection factor maximum	12.2 V/cm	per kV Vg2,g4