

ELECTRONIC TUBE REFERENCE

D14302GH93

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Fourteen-centimeter compact oscilloscope CRT with internal graticule, designed for instruments operating to approximately 160 MHz and requiring accurate high-speed waveform presentation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 240 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.
Cathode-ray tube section. Accelerator, deflection, focus and screen-specific electrical data are retained as parameters rather than forced into unrelated plate/screen fields.

14 cm compact oscilloscope CRT with internal graticule, up to 160 MHz. The supplied Philips sheet was read for heater, accelerator, focusing, deflection, capacitance, limiting-value and screen data.

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

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	240 mA	—
Horizontal deflection coefficient	8.7 V/cm	—
Vertical deflection coefficient	4.7 V/cm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Final/accelerator voltage	16500 V	—
First accelerator voltage	2500 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
x1	5 pF	—
x2	5 pF	—
¥1	1.7 pF	—
Y2	2 pF	—
X1	3 pF	—
yq1toys	1.6 pF	—
Control	6 pF	—
Cathode	2.7 pF	—
Focusing	5 pF	—

TUBE TINKER

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and their source documents.

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