



ELECTRONIC TUBE REFERENCE

D1327GH

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Philips or Telefunken D-series cathode-ray instrument tube designed for oscillographic and measurement display, with manufacturer-defined electrostatic beam control, deflection, screen, and accelerating characteristics for type D1327GH.

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

SECTION 1 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.

13 cm short instrument CRT with deflection blanking. 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	300 mA	—
Horizontal deflection coefficient	24 V/cm	—
Vertical deflection coefficient	11.5 V/cm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Final/accelerator voltage	3000 V	—
Focusing electrode voltage	300–550 V	—
First accelerator voltage	1500 V	—
Grid No.1 circuit resistance maximum	1.5 Mohm	—
Screen dissipation maximum	3 mW/cm2	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
x]	4.5 pF	—
Xy	4.5 pF	—
y	5 pF	—
yg	5.5 pF	—
X]	2.5 pF	—
y	1.2 pF	—
Grid	5.5 pF	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode	5 pF	—
Grid	10 pF	—

TUBE TINKER

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