ELECTRONIC TUBE REFERENCE

D1322GM

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Philips/Telefunken D-series cathode-ray instrument tube for oscillographic display; no manufacturer artifact is currently attached, so the description is limited to its supported instrument-CRT family.

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.

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 instrument CRT; distributed post-deflection acceleration; D1322GM is an explicitly listed screen/phosphor designation. The supplied Philips sheet was read for heater, accelerator, focusing, deflection, capacitance, limiting-value and screen data.

SOURCE OPERATING CONDITIONS

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	**12.5 V/cm**	—
Vertical deflection coefficient	**3.5 V/cm**	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Final/accelerator voltage	**15000 V**	—
Focusing electrode voltage	**250–500 V**	—
First accelerator voltage	**1300 V**	—
Grid No.1 circuit resistance maximum	**1 Mohm**	—
Screen dissipation maximum	**3 mW/cm2**	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
x]	**6.1 pF**	—
x9	**6.4 pF**	—
yj	**3.9 pF**	—
y2	**3.9 pF**	—
X	**2.1 pF**	—
y1	**2.1 pF**	—
Control	**6.2 pF**	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode	**4.1 pF**	—

Tube Tinker

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