



ELECTRONIC TUBE REFERENCE

D13480GM

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

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 monoaccelerator instrument CRT; D13480GM 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	31.3 V/cm	—
Vertical deflection coefficient	14.4 V/cm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Final/accelerator voltage	2000 V	—
Focusing electrode voltage	220–370 V	—
Grid No.1 circuit resistance maximum	1 Mohm	—
Screen dissipation maximum	3 mW/cm2	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
%]	4 pF	—
%9	4 pF	—
y]	3.5 pF	—
y2	3 pF	—
X	1.6 pF	—
yiltoy2	1.1 pF	—
Control	5.5 pF	—
Cathode	4 pF	—