

ELECTRONIC TUBE REFERENCE

DG1334

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Philips/Mullard DG-series cathode-ray instrument tube intended for oscillographic and measurement display, with manufacturer-defined electrostatic focusing, deflection, screen, and accelerating characteristics for type DG1334.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	6000 V
Electrostatic focusing/deflection CRT section; electrical/screen/deflection data retained in parameter rows.	

High-sensitivity flat-face oscilloscope CRT with post-acceleration electrode.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1957 Philips Receiving and Amplifying Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	Electrostatic	—
Deflection method	Double electrostatic	—
Screen fluorescence	Green	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Oscilloscope / oscillography display	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Post-acceleration	Yes	—
Screen face	Flat	—



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
Deflection sensitivity N1 without post-acceleration	0.68–0.84 mm/V	—
Deflection sensitivity N2 without post-acceleration	0.51–0.63 mm/V	—
Deflection sensitivity N1 with post-acceleration	0.51–0.63 mm/V	—
Deflection sensitivity N2 with post-acceleration	0.38–0.47 mm/V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum post-acceleration voltage	6000 V	—
Maximum main accelerating voltage	2600 V	—
Minimum main accelerating voltage	1000 V	—
Maximum focusing-grid voltage	1000 V	—
Maximum heater-cathode voltage	180 V	—



SOURCE DATA APPENDIX

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Post-accelerator voltage	4000 V	Published datasheet value
Accelerator voltage	2000 V	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Post-accelerator voltage maximum	—6000 V	Published datasheet value
Accelerator voltage maximum	—2600 V	Published datasheet value
Accelerator voltage minimum	1000— V	Published datasheet value
Focusing voltage maximum	—1000 V	Published datasheet value
Cathode-heater voltage maximum	—180 V	Published datasheet value
Combined grid dissipation maximum	—6 W	Published datasheet value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Line width	0.3 mm	Published datasheet value
Useful scan	102 mm	Published datasheet value
Linearity deviation maximum	2 %	Published datasheet value
Pattern distortion maximum	2.5 %	Published datasheet value

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