



ELECTRONIC TUBE REFERENCE

DG1078

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 DG1078.

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.

Published electrical ratings and characteristics promoted where the locked schema provides a matching field; specialized CRT and operating data retained as section parameters.

Philips DG10-78 is a flat-face measuring cathode-ray tube with electrostatic focusing, symmetrical deflection and high-voltage post-deflection acceleration up to 8 kV.

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
Screen fluorescence	Green	Published datasheet value
Persistence	Medium	Published datasheet value
Useful screen diameter	90 mm	Published datasheet value
Vertical deflection sensitivity	0.57–1.02 mm/V	Published datasheet value
Horizontal deflection sensitivity	0.18–0.33 mm/V	Published datasheet value
Maximum linearity deviation	2 %	Published datasheet value
Pattern distortion	—2 %	Published datasheet value
Grid No.1 capacitance	3.4 pF	Published datasheet value
Post-deflection helix resistance	50— MΩ	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Post-accelerator voltage range	1500–8000 V	Published datasheet value
Isolation-screen voltage maximum	—3000 V	Published datasheet value
Accelerator voltage range	1000–3000 V	Published datasheet value
Focusing voltage	400–700 V	Published datasheet value
Negative grid No.1 cut-off voltage	45–75 V	Published datasheet value

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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