

ELECTRONIC TUBE REFERENCE

DG103

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 DG103.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 560 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	1200 V
CRT for oscillography with electrostatic focusing and double electrostatic deflection. Screen variant: green, medium persistence.	

DG103 is a Philips cathode-ray tube for oscillography. CRT for oscillography with electrostatic focusing and double electrostatic deflection. This designation uses the green, medium persistence screen variant.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Accelerating-grid voltage	1000 V	—
Focusing-grid voltage	200–340 V	—
Maximum accelerating-grid voltage	1200 V	—
Minimum accelerating-grid voltage	800 V	—
Maximum focusing-grid voltage	500 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection sensitivity N2	0.55 mm/V	—

TUBE TINKER

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and their source documents.

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