



ELECTRONIC TUBE REFERENCE

DR103

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Philips or Mullard oscillography CRT with electrostatic beam control and a greenish-yellow long-persistence screen. Its lingering trace is intended for waveform measurements and instrument displays requiring extended visual retention.

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

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	1200 V
CRT for oscillography with electrostatic focusing and double electrostatic deflection. Screen variant: green-yellow, long persistence.	

DR103 is a Philips electrostatically deflected cathode-ray tube with greenish-yellow long-persistence screen. The supplied datasheet provides screen, electrostatic-deflection, capacitance and operating characteristics.



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
Heater voltage	4 V	Published heater rating
Heater current	560 mA	Published heater rating

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid No.1 capacitance	5 pF	OscilloscopeCRT
D1 plate capacitance	4.7 pF	OscilloscopeCRT
D1 prime plate capacitance	5.3 pF	OscilloscopeCRT
D2 plate capacitance	6.2 pF	OscilloscopeCRT
D1-pair capacitance	1.9 pF	OscilloscopeCRT
D2-pair capacitance	2.6 pF	OscilloscopeCRT

TUBE TINKER

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and their source documents.

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