



ELECTRONIC TUBE REFERENCE

DR106

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	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	
MAXIMUM PLATE VOLTAGE	5000 V
<i>Post-accelerated CRT for oscillography. Screen variant: green-yellow, long persistence.</i>	

Cathode-ray oscilloscope tube. The source provides CRT heater, focusing/deflection, capacitance, scan/sensitivity and operating data where published.

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	6.3 V	Published heater rating
Heater current	300 mA	Published heater rating

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode capacitance	6 pF	OscilloscopeCRT
Grid No.1 capacitance	4.6 pF	OscilloscopeCRT
D1-pair capacitance	1.9 pF	OscilloscopeCRT
D2-pair capacitance	2.5 pF	OscilloscopeCRT

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Final anode voltage	2000 V	Published datasheet value
Post-acceleration voltage	4000 V	Published datasheet value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection type	Double electrostatic symmetric	Published datasheet value
Focusing	Electrostatic	Published datasheet value
Grid No.1 to all capacitance	4.6 pF	Published datasheet value
Cathode to all capacitance	6 pF	Published datasheet value
Useful screen diameter	90 mm	Published datasheet value
Screen fluorescence	Green for DG; blue for DB; double-layer for DP; greenish-yellow for DR	Published datasheet value
Persistence	Varies by screen designation	Published datasheet value

TUBE TINKER

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