



ELECTRONIC TUBE REFERENCE

DB106

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Philips cathode-ray oscilloscope tube for oscillography, using electrostatic beam control. Manufacturer documentation provides screen, focusing and deflection, capacitance, sensitivity, rating, and operating data where published.

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
Cathode-ray electron-gun/display system; high-voltage acceleration and electrostatic deflection data published.	

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



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

194X Miniwatt

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

194X MINIWATT

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FinalAcceleratingVoltage	2000 V	—
FinalAcceleratingVoltage	4000 V	High-brightness operation



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
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

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
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

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