ELECTRONIC TUBE REFERENCE

DG106

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 DG106.

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

SECTION1 Cathode Ray

MAXIMUM PLATE VOLTAGE	5000 V

Post-accelerated CRT for oscillography. Screen variant: green, medium persistence.

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

SOURCE OPERATING CONDITIONS

1999 Philips 0-D

SOURCE PDF

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

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

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