



ELECTRONIC TUBE REFERENCE

DG31

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 DG31.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 630 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray

No fixed ratings recorded.

Oscillographic CRT electron-gun/display section.

The Mullard DG31 is a one-inch green-screen cathode-ray tube for oscillographic use with double electrostatic deflection.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	630 mA	—
Fluorescence	Green text	—
Deflection Method	Double Electrostatic text	—
Grid Voltage	-35 V	Approximate
Horizontal Deflection Sensitivity	0.1 mm/V	—
Vertical Deflection Sensitivity	0.08 mm/V	—
Grid Capacitance	7.5 pF	—
Deflection Plate Pair 1 Capacitance	1.75 pF	—
Deflection Plate Pair 2 Capacitance	2 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode 2 Voltage	250 V	—
Focus Voltage	130 V	Approximate
Maximum Anode 2 Voltage	500 V	—
Maximum Anode 1 Voltage	150 V	—

TUBE TINKER

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

