

ELECTRONIC TUBE REFERENCE

DG105

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 DG105.

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

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	3000 V
Post-accelerated CRT for oscillography. Screen variant: green, medium persistence.	

DG105 is a Philips cathode-ray tube for oscillography. Post-accelerated CRT for oscillography. This designation uses the green, medium persistence screen variant.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Main accelerating voltage	1000 V	—
Post-acceleration voltage	2500 V	—
Focusing-grid voltage	200–340 V	—
Maximum post-acceleration voltage	3000 V	—
Maximum main accelerating voltage	1200 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection sensitivity N2 without post-acceleration	0.55 mm/V	—
Deflection sensitivity N2 with post-acceleration	0.32 mm/V	—