



ELECTRONIC TUBE REFERENCE

DB251

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Early 25-centimeter high-vacuum Philips cathode-ray tube for oscilloscope and oscillograph use. The DB25-1 designation is the blue-screen variant documented alongside the related green-screen DG25-1.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 2.3 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray

No fixed ratings recorded.

Published electrical ratings and characteristics promoted where the locked schema provides a matching field; specialized CRT and operating data retained as section parameters.

Philips DG25-1 is an early 25 cm high-vacuum cathode-ray tube for oscilloscope and oscillograph use, with a green screen; the DB25-1 version uses a blue screen. This designation is a screen/equivalent variant documented on the same DG251 datasheet.

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen diameter	25 cm	Published datasheet value
Screen fluorescence	Green for DG25-1; blue for DB25-1	Published datasheet value
Focusing	Electrostatic	Published datasheet value
Deflection	Electrostatic	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	4 V	Published datasheet value
Filament current	approx. 2.3 A	Published datasheet value