



ELECTRONIC TUBE REFERENCE

B2043

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Philips power pentode documented in manufacturer valve-table data. Published ratings and operating characteristics establish output-stage capability, although surviving application wording is limited.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	20 V / 180 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	40000 Ω
TRANSCONDUCTANCE	0.01 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	200 V
<i>Published table ratings and electrical characteristics reviewed; ambiguous cells were not inferred.</i>	

B2043 is listed in the supplied tube table as a power pentode. Published electrical values were transcribed from its target row.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Philips Miniwatt Vacuum Tube Catalog

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

1938 PHILIPS MINIWATT VACUUM TUBE CATALOG

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	200 V	Published table rating
Maximum screen voltage	200 V	Published table rating
Plate voltage	200 V	Published operating point
Screen voltage	200 V	Published operating point
Control-grid bias	18 V	Published operating point
Plate current	20 mA	Published operating point
Screen current	8 mA	Published operating point
Power output	5 W	Published operating point

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	40000 ohm	Published table characteristic
Transconductance	10000 μ S	Published table characteristic
Amplification factor	70	Published table characteristic
Heater/filament voltage	20 V	Published heater/filament rating
Heater/filament current	180 mA	Published heater/filament rating

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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Normal plate current	22 mA	—
Approximate screen-grid current limit	4 mA	—

TUBE TINKER

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