



ELECTRONIC TUBE REFERENCE

B2044S

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL
DATA

2 SECTIONS
CONSTRUCTION
DIODE-TRIODE

European binode diode-triode documented in Philips receiving-tube literature; available source establishes its construction and electrical characteristics but not a narrower specialized function.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	20 V / 180 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode

No fixed ratings recorded.

Published table ratings and electrical characteristics reviewed; ambiguous cells were not inferred.

SECTION2 Triode

PLATE RESISTANCE	16000 Ω
TRANSCONDUCTANCE	0.0018 S
AMPLIFICATION FACTOR	30
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	15 mA

Published table ratings and electrical characteristics reviewed; ambiguous cells were not inferred.

B2044S is listed in the supplied tube table as a binode (diode-triode). 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 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	200 V	Published table rating
Plate voltage	200 V	Published operating point
Control-grid bias	3 V	Published operating point
Plate current	6 mA	Published operating point

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	16000 ohm	Published table characteristic
Amplification factor	30	Published table characteristic
Heater/filament voltage	20 V	Published heater/filament rating
Heater/filament current	180 mA	Published heater/filament rating



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Normal plate current	6 mA	—