



ELECTRONIC TUBE REFERENCE

E444S

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

CONSOLIDATED TECHNICAL
DATA

2 SECTIONS
CONSTRUCTION
DIODE-TRIODE

European binode diode-triode documented in Philips valve tables, providing detector and triode-amplifier functions in a single receiving valve.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode

No fixed ratings recorded.

Published target-row operating and characteristic values reviewed.

SECTION2 Triode

PLATE RESISTANCE	15000 Ω
TRANSCONDUCTANCE	0.002 S
AMPLIFICATION FACTOR	30
MAXIMUM PLATE VOLTAGE	200 V
<i>Published target-row operating and characteristic values reviewed.</i>	

E444S is listed in the supplied valve table as a binode diode-triode. Published operating and characteristic 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
Plate voltage	200 V	Published European table row
Plate current	6 mA	Published European table row
Control-grid bias	3.5 V	Published European table row

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	15000 ohm	Published European table row
Transconductance	2000 μ S	Published European table row
Heater/filament voltage	4 V	Published European table row
Heater/filament current	1 A	Published European table row



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 2 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	200 V	Published datasheet value

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