



ELECTRONIC TUBE REFERENCE

D2

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

General-purpose receiving triode for amplification, detection, or low-voltage electronic service as documented by the manufacturer.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	3.5 V / 500 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	40000 Ω
TRANSCONDUCTANCE	0.00025 S
AMPLIFICATION FACTOR	10
MAXIMUM PLATE VOLTAGE	100 V
<i>Philips D2 directly heated high-vacuum receiving triode for radio detection and RF/AF amplification. Plate operation 40–100 V; detector 40–60 V. Published amplification factor 10, internal resistance minimum 40 kΩ, transconductance maximum 0.25 mA/V. Its published plate voltage range is an operating range, not necessarily an absolute maximum.</i>	

Triode vacuum tube documented for receiving and amplification applications, with heater, operating-characteristic, and limiting-rating data extracted from the supplied datasheet.

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 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	3.5 V	Nominal
Heater current	500 mA	Nominal

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gloeispanning $\Upsilon =$	3.5 v	Published datasheet value
Gloeistroom = ca	0.5 a	Published datasheet value
Anodespanning v, ==	40 v	Published datasheet value
triode) wvoor een	4 v	Published datasheet value
Bij gebruik van een	4 v	Published datasheet value
Philips ontvanglamp D	2 S	Published datasheet value
va =	40 V	Published datasheet value
Gloeispanning Ve =	35 v	Published datasheet value
Gloeistroom i = ca	0.5 a	Published datasheet value
Anodespanning v, =	40 v	Published datasheet value
Verzadigingsstroom . i, =	3 a	Published datasheet value
Ruststroom (max.) . . {da, =	2 a	Published datasheet value
Versterkingsfactor, . . & =	10 W	Published datasheet value
Steilheid (max.}. . . . S_ =	0.25 mA/V	Published datasheet value
Grootste diameter . . d =	30 mm	Published datasheet value
van	40 v	Published datasheet value
ca	1.5 v	Published datasheet value
De triode D	2 s	Published datasheet value

TUBE TINKER

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