



ELECTRONIC TUBE REFERENCE

KL2

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Directly heated battery pentode with relatively low plate resistance and 2.5 W dissipation, favoring more substantial output-amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2 V / 265 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	30000 Ω
TRANSCONDUCTANCE	0.002 S
MAXIMUM PLATE VOLTAGE	135 V
MAXIMUM SCREEN VOLTAGE	135 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM SCREEN DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	25 mA
Directly heated battery pentode	

Directly heated battery pentode. The supplied Philips datasheet provides operating characteristics, limiting values, capacitances, and application information; non-English material is represented in English in the descriptive output.

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 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Chauffage dir. batterie . Vf •l	0 V	—
If	265 mA	—
Vf	2 V	—
vg2	13 W	—
A Vas = oov	1 s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Va 90	135 V	—
Vg2 90	135 V	—
Ia 11	18 mA	—
Vgl -7,5	-12 V	—
Ig2 09	2 mA	—
S (Vgl [1]	-12 V	—
S (Vgl [2]	2 mA/V	—
S (Vgl [1]	-7.5 V	—
S (Vgl [2]	18 mA/V	—
Ri (Vgl [1]	-12 V	—
Ri (Vgl [2]	30000 Ω	—
Ri (Vgl _ [1]	-7.5 V	—
Ri (Vgl _ [2]	30000 Ω	—
Va max	135 V	—
Wa max	2.5 W	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ik max	25 mA	—
Vgl max	135 V	—
Wg2 max	0.5 W	—
Vgl max (Igl [1])	0.3 μ A	—
Vgl max (Igl [2])	0.2 V	—
Rgla max	1.5 M Ω	—
Wo 0,35	0.8 W	—
Ra 6000	6000 Ω	—
Vgl eff 50	8 V	—

TUBE TINKER

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and their source documents.

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