

ELECTRONIC TUBE REFERENCE

KF2

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Directly heated Telefunken battery pentode for high-gain RF and IF voltage amplification in portable receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	1900000 Ω
TRANSCONDUCTANCE	0.0014 S
Published target-row operating and characteristic values reviewed.	

The Telefunken KF2 is a directly heated 2 V battery pentode for RF/IF amplification.



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
Plate voltage	135 V	Published table operating point
Screen voltage	135 V	Published table operating point

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	1900000 ohm	Published table characteristic
Transconductance	1400 μ S	Published table characteristic
Heater/filament voltage	2 V	Published heater/filament rating
Heater/filament current	200 mA	Published heater/filament rating



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heizspann. . . . Vf [1]	2 V	—
Heizspann. . . . Vf [2]	22 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heizstrom If = ca [1]	200 mA	—
Heizstrom If = ca [2]	200 mA	—
Anodensp. ... Va – [1]	135 V	—
Anodensp. ... Va – [2]	90 V	—
spannung.... Vg2 [1]	135 V	—
spannung.... Vg2 [2]	90 V	—
V0rsp. Vgl – Obis– [1]	16 V	—
V0rsp. Vgl – Obis– [2]	11 V	—
Anodenstr. ... Ia(Vgl [1]	0 V	—
Anodenstr. ... Ia(Vgl [2]	3 mA	—
Anodenstr. ... Ia(Vgl [3]	0 V	—
Anodenstr. ... Ia(Vgl [4]	1.4 mA	—
Anodenstr. ... Ia (Vgl =– [1]	16 V	—
Anodenstr. ... Ia (Vgl =– [2]	0.01 mA	—
Anodenstr. ... Ia (Vgl =– [3]	11 V	—
Anodenstr. ... Ia (Vgl =– [4]	0.01 mA	—
Norm. Steilh... 8 norm – [1]	1.3 mA/V	—
Norm. Steilh... 8 norm – [2]	8 mA/V	—
Min. Steilh. .. §(Vgl -z – [1]	16 V	—
Min. Steilh. .. §(Vgl -z – [2]	0.002 mA/V	—
Min. Steilh. .. §(Vgl -z – [3]	11 V	—
Min. Steilh. .. §(Vgl -z – [4]	0.002 mA/V	—
Widerst. Rinorm – [1]	1.1 MΩ	—
Widerst. Rinorm – [2]	1.9 MΩ	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Va=Vg2	135 V	—
// y Vaulg2	90 V	—
d kf2 Vg2	135 V	—
B Vg2	90 V	—
LA ?	205 V	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

[Catalog](#)
[Tube types](#)
[Full books](#)
[Blog](#)
[Feedback & corrections](#)

© 2026 Tube Tinker