



ELECTRONIC TUBE REFERENCE

KF3

Voltage - Pentode Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Directly heated variable-mu battery pentode for gain-controlled high-frequency amplification with very low filament consumption.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2 V / 45 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	2000000 Ω
TRANSCONDUCTANCE	0.00085 S
MAXIMUM PLATE VOLTAGE	135 V
MAXIMUM SCREEN VOLTAGE	135 V
MAXIMUM PLATE DISSIPATION	0.5 W
MAXIMUM SCREEN DISSIPATION	0.2 W
MAXIMUM CATHODE CURRENT	5 mA
Published target-row operating and characteristic values reviewed.	

KF3 is listed in the supplied valve table as a variable-mu pentode. 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 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	2000000 ohm	Published table characteristic
Transconductance	850 μ S	Published table characteristic
Heater/filament voltage	2 V	Published heater/filament rating
Heater/filament current	45 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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Chauffzge: direct par batterie; vf	2 V	PentodeConnection
alimentation en parallde If	45 mA	PentodeConnection

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Kapazitäten Cel	6.2 pF	—
Ca	5.2 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Va = 90	135 V	—
Va = max	135 V	—
Wa = max	0.5 W	—
veg2 max	135 V	—
wg2 = max	0.2 W	—
vg1 (1g1 [1])	0.3 pA	—
vg1 (1g1 [2])	2 V	—

TUBE TINKER

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