



ELECTRONIC TUBE REFERENCE

DK40

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

HEPTODE

Battery heptode frequency changer for portable superheterodyne receivers, combining oscillator and mixer action in one low-power valve. Manufacturer data include an economy operating condition emphasizing efficient battery-powered frequency conversion.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	1.4 V / 50 mA
HEATING	Direct	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Heptode	
PLATE RESISTANCE	1000000 Ω
Heptode frequency changer for battery receivers.	

Directly heated heptode used as a frequency changer in battery receivers.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V1

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V1

Section 1 · Heptode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate capacitance	9.6 pF	—
Plate-to-grid-4 capacitance	—0.16 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	67.5 V	FrequencyChanger
Screen voltage	67.5 V	FrequencyChanger
Plate current	1 mA	FrequencyChanger
Screen current	2.6 mA	FrequencyChanger

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	1 Mohm	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Conversion transconductance	425 μ S	FrequencyConverter
Economy conversion transconductance	370 μ S	EconomyOperation

TUBE TINKER

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