



ELECTRONIC TUBE REFERENCE

UCH41

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL
DATA

2 SECTIONS
CONSTRUCTION
HEXODE-TRIODE

Series-heater triode-hexode frequency changer for superheterodyne receivers. A local-oscillator triode drives a high-resistance mixer section in AC/DC series-string radio sets.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	14 V / 100 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	250 V
<i>Oscillator triode section.</i>	

SECTION2 Hexode	
PLATE RESISTANCE	1200000 Ω
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
<i>Hexode mixer/frequency-changer section.</i>	

Series-heater triode-hexode frequency changer with oscillator triode and mixer hexode sections.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1957 Philips Receiving and Amplifying Tubes

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

1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 2 · Hexode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Conversion Conductance	600 μ S	ConverterSection
Plate Resistance	1.2 Mohm	ConverterSection

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	OscillatorSection
Plate current	5 mA	OscillatorSection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	20	OscillatorSection

1963 PHILIPS ELECTRON TUBES HANDBOOK V1

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	170 V	FrequencyChanger
Screen voltage	100 V	FrequencyChanger
Plate current	5 mA	FrequencyChanger
Screen current	3 mA	FrequencyChanger

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	0.7 Mohm	FrequencyChanger

TUBE TINKER

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

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