



ELECTRONIC TUBE REFERENCE

ACH1

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

CONSOLIDATED TECHNICAL
DATA

2 SECTIONS
CONSTRUCTION
HEXODE-TRIODE

Triode-hexode frequency changer for radio receivers. The triode supplies local oscillation while the hexode performs mixer action, combining the principal superheterodyne frequency-conversion functions in one envelope.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	30000 Ω
TRANSCONDUCTANCE	0.002 S
AMPLIFICATION FACTOR	10
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	70 V
MAXIMUM PLATE DISSIPATION	1 W
<i>Published ratings and characteristics promoted where clearly stated; identical repeated sections compressed when applicable.</i>	

SECTION2 Hexode	
PLATE RESISTANCE	800000 Ω
TRANSCONDUCTANCE	0.00075 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	70 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM SCREEN DISSIPATION	0.5 W
<i>Published ratings and characteristics promoted where clearly stated; identical repeated sections compressed when applicable.</i>	

Indirectly heated triode-hexode frequency changer for superheterodyne receivers.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	4 V	Published nominal value
Heater or filament current	1 A	Published nominal value

1953 RFT RUNDFUNK TECHNIK

Section 2 · Hexode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	4 V	Published nominal value
Heater or filament current	1 A	Published nominal value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

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

1959 TELEFUNKEN

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	4 V	—
HeaterOrFilamentCurrent	1 A	—

1959 TELEFUNKEN

Section 2 · Hexode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Frequency changer	—



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

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	5 mA	—
Grid-anode capacitance	2.8 pF	—

1999 PHILIPS 0-D

Section 2 · Hexode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Hexode grid capacitance	7.4 pF	—
Hexode anode capacitance	14.3 pF	—
Hexode grid-grid capacitance	0.1 pF	—
Plate current	2.5 mA	—
Maximum cathode current	15 mA	—
Maximum heater-cathode voltage	50 V	—

TUBE TINKER

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and their source documents.

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