



ELECTRONIC TUBE REFERENCE

CCH1

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

CONSOLIDATED TECHNICAL
DATA

2 SECTIONS
CONSTRUCTION
HEXODE-TRIODE

Triode-hexode frequency changer for superheterodyne receivers. A separate oscillator triode drives the hexode mixer, combining both conversion functions in an all-current series-heater valve.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	20 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0023 S
AMPLIFICATION FACTOR	11
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	1.5 W
<i>Published ratings and characteristics promoted from the approved source.</i>	

SECTION2 Hexode	
PLATE RESISTANCE	900000 Ω
TRANSCONDUCTANCE	0.00075 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	125 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM SCREEN DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	15 mA
<i>Published ratings and characteristics promoted from the approved source.</i>	

A combined oscillator triode and mixer hexode with a 20 V, 200 mA heater, intended for frequency-conversion service.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Supply voltage	200 V	—
Anode resistance	30 kΩ	—
Anode current	2.5 mA	—
Cold anode voltage maximum	550 V	—
Grid leak resistance maximum	20 kΩ	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-cathode capacitance	2.6 pF	—

1953 RFT RUNDFUNK TECHNIK

Section 2 · Hexode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	200 V	—
Screen-grid voltage	50 V	—
Cathode resistance	250 Ω	—
Anode current	2 mA	—
Screen-grid current	3.2 mA	—
Cold anode voltage maximum	550 V	—
Cold screen-grid voltage maximum	300 V	—
Grid leak resistance maximum	3 MΩ	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Conversion transconductance	750 $\mu\text{A/V}$	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	7.8 pF	—
Output capacitance	12.3 pF	—

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