



ELECTRONIC TUBE REFERENCE

X21

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

HEPTODE

Radio receiver frequency changer designed for superheterodyne mixer and oscillator service. Its multi-grid construction performs signal conversion, often integrating local oscillation and mixing within one valve.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	2 V / 100 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Heptode	
TRANSCONDUCTANCE	0.00024 S
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	70 V
<i>Published ratings and characteristics promoted from the approved datasheet.</i>	

A variable-mu heptode electron-coupled frequency changer for 2-volt battery superheterodyne circuits, designed for satisfactory conversion conductance with low H.T. current.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Osram Valves

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

1937 OSRAM VALVES

Section 1 · Heptode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	2 V	Published datasheet value
Heater Current	100 mA	Published datasheet value
Anode Voltage Maximum	150 V	Published datasheet value
Screen Voltage Maximum	70 V	Published datasheet value
Oscillator Anode Voltage	90 V	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Conversion Conductance	240 μ S	Published datasheet value

TUBE TINKER

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