



ELECTRONIC TUBE REFERENCE

S23

Voltage Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Two-volt screen-grid valve for stable high-frequency amplification and sensitive detection, emphasizing low current consumption, low microphonics, and high electrode insulation in battery-operated receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	2 V / 100 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
TRANSCONDUCTANCE	0.0011 S
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	70 V
<i>Published ratings and characteristics promoted from the approved datasheet.</i>	

A 2-volt screen-grid valve for stable H.F. amplification and sensitive detection, emphasizing low current consumption, low microphonics and high electrode insulation.



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 · Tetrode

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mutual Conductance	1100 μ S	Published datasheet value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

193X Osram

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

193X OSRAM

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-grid capacitance	0.0029 pF	Published datasheet value
Grid-other-electrodes capacitance	8.25 pF	Published datasheet value