



ELECTRONIC TUBE REFERENCE

VMS4B

Voltage Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

High-conductance variable-mu screen-grid valve for RF and IF amplification, emphasizing linear gain control, low grid-anode capacitance, and reduced cross-modulation distortion.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
TRANSCONDUCTANCE	0.0029 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	80 V
<i>Published ratings/characteristics promoted from approved source.</i>	

A variable-mu screen-grid H.F./I.F. valve emphasizing high grid-voltage-to-mutual-conductance ratio, linearity, low grid-anode capacitance and high maximum conductance.

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	4 V	Published datasheet value
Heater Current	1 A	Published datasheet value
Anode Voltage Maximum	250 V	Published datasheet value
Screen Voltage Maximum	80 V	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mutual Conductance	2900 μS	Published datasheet value