



ELECTRONIC TUBE REFERENCE

A537

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

OSRAM triode valve for general electronic service. Available source material does not establish a narrower functional application confidently.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	4 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	10000 Ω
TRANSCONDUCTANCE	0.00155 S
AMPLIFICATION FACTOR	15.5
MAXIMUM PLATE VOLTAGE	150 V
Published characteristics promoted where reliably identified; additional source values retained below.	

A537: OSRAM triode valve. The complete approved OSRAM sheet was read for construction, characteristics, operating data, and application guidance.



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 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	4 V	—
Heater/filament current	400 mA	—
Plate impedance	10000 ohm	—
Mutual conductance	1550.0000000000002 uS	—
Amplification factor	15.5	—
Application	Initial stages of microphone amplifiers	—
Design feature	Very low microphony and background noise	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage	150 V	—



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 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	15.5	—
Plate impedance	10000 ohm	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mutual conductance	1550 μ S	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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