



ELECTRONIC TUBE REFERENCE

DA100

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Low-mu directly heated power triode for high-quality Class A and push-pull Class AB audio amplification. Published conditions provide roughly 30 W single-ended, 90 W Class A push-pull, or about 200 W from a Class AB pair.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	1410 Ω
TRANSCONDUCTANCE	0.0039 S
AMPLIFICATION FACTOR	5.5
MAXIMUM PLATE DISSIPATION	50 W
<i>Applicable promoted ratings mapped semantically from the printed approximate-data/ratings tables; useful non-promoted operating, capacitance and service data retained in TUBE_SECTION_PARAMETER.</i>	

DA100: OSRAM combined diode-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	6 V	—
Plate impedance	1410 ohm	—
Mutual conductance	3900 uS	—
Amplification factor	5.5	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage	0 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	5.5	—
Mutual conductance	3900 uS	—



1955 Marconi

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

1955 MARCONI

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Dissipation Maximum	50 W	—
Optimum Load	6600 ohm	—
Single-Tube Class-A Output	30 W	ClassA
Two-Tube Class-A Output	90 W	ClassA;PushPull
Two-Tube Class-AB Output	200 W	ClassAB;PushPull