



ELECTRONIC TUBE REFERENCE

4613

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Power triode documented for amplifier or control service, with manufacturer operating data emphasizing useful power output rather than small-signal voltage amplification. Its available documentation does not justify a narrower specialized functional category.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	1700 Ω
TRANSCONDUCTANCE	0.0035 S
MAXIMUM PLATE VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	12 W
MAXIMUM CATHODE CURRENT	60 mA
<i>Published Philips ratings and operating data promoted where applicable.</i>	

Directly heated output triode for Class-A, B, and AB audio service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1957 Philips Receiving and Amplifying Tubes

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

1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 1 · Triode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Audio output	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Class-B operation	Published	ClassB



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Plate voltage high-voltage	500 V	ClassA
Plate current	48 mA	ClassA

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	3.5 mA/V	ClassA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	1.7 kohm	ClassA

TUBE TINKER

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