



ELECTRONIC TUBE REFERENCE

TB2500

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated Philips transmitting triode with thoriated-tungsten filament for RF and AF power service. Rated for approximately 300 W plate dissipation and 2 kV plate voltage, with moderate gain for professional power stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12 V / 7.3 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0075 S
AMPLIFICATION FACTOR	32
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	300 W
MAXIMUM CATHODE CURRENT	600 mA
<i>Published filament, capacitance, typical characteristics, limiting values and RF/AF operating tables reviewed.</i>	

TB2500 is a Philips thoriated-tungsten transmitting triode. The supplied datasheet provides direct-filament data, RF/AF ratings, capacitances and high-power operating conditions.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V4

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V4

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	12 V	DirectlyHeated
Filament current	7.3 A	DirectlyHeated
Amplification factor	32	Published
Transconductance	7500 μ S	Published

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	2000 V	Published limit
Maximum plate dissipation	300 W	Published limit
Maximum cathode/plate current	600 mA	Published limit

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate capacitance	6 pF	Published
Grid capacitance	12.5 pF	Published
Grid-to-plate capacitance	6 pF	Published



1999 Philips E-Z

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

1999 PHILIPS E-Z
Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Capacitances Ca	6 a	Capacitances Ca = 6
Capacités Cg	12.5 a	Capacités Cg = 12,5 pF

TUBE TINKER

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