

ELECTRONIC TUBE REFERENCE

TB2200

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. Approximately 130 W plate dissipation and 2 kV capability support medium-power transmitter and audio-frequency applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12 V / 2.7 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	27
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	130 W
MAXIMUM CATHODE CURRENT	230 mA
Published filament, capacitance, typical characteristics, limiting values and RF/AF operating tables reviewed.	

TB2200 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	2.7 A	DirectlyHeated
Amplification factor	27	Published

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	2000 V	Published limit
Maximum plate dissipation	130 W	Published limit
Maximum cathode/plate current	230 mA	Published limit

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate capacitance	5.4 pF	Published
Grid capacitance	8.2 pF	Published
Grid-to-plate capacitance	5.5 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	5.4 a	Capacitances Ca = 5,4 pF

TUBE TINKER

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