



ELECTRONIC TUBE REFERENCE

TC2250

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Directly heated Philips transmitting power triode for RF oscillator, amplifier, and Class B service. Rated around 2 kV and 250 W dissipation, it supports medium-power professional transmitters.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 2.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.006 S
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	250 W
MAXIMUM CATHODE CURRENT	430 mA

Directly heated transmitting triode for oscillator, RF amplifier and Class-B service. The supplied Philips source was read for heater or filament data, ratings, characteristics, capacitances, and representative operating conditions.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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
Heater/filament voltage	10 V	—
Heater/filament current	2.5 A	—
Transconductance	6000 μ S	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	2000 V	—
Maximum plate dissipation	250 W	—
Maximum cathode current	430 mA	—
Operating plate voltage	2000 V	ClassC;Telegraphy
Operating plate current	375 mA	ClassC;Telegraphy
Output power	500 W	ClassC;Telegraphy

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate/anode capacitance	3.5 pF	—
Grid capacitance	26.5 pF	—
Plate-grid capacitance	15.5 pF	—

TUBE TINKER

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and their source documents.

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