



ELECTRONIC TUBE REFERENCE

TC0410

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Transmitting power triode intended for RF amplification, oscillator, modulation, or industrial generator service. Manufacturer documentation emphasizes professional radio-frequency operation and substantial power handling.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 1.1 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	11400 Ω
TRANSCONDUCTANCE	0.0022 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM CATHODE CURRENT	60 mA

Directly heated transmitting triode for portable RF amplifier and oscillator 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	4 V	—
Heater/filament current	1.1 A	—
Transconductance	2200 μ S	—
Amplification factor	25	—
Plate resistance	11400 ohm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	500 V	—
Maximum plate dissipation	10 W	—
Maximum cathode current	60 mA	—
Typical RF output power	15 W	ClassC;PlateVoltage=500V;150m

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate/anode capacitance	3 pF	—
Grid capacitance	3.5 pF	—
Plate-grid capacitance	6.8 pF	—