



ELECTRONIC TUBE REFERENCE

TC035

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Small directly heated Philips transmitting triode for amateur RF oscillator and amplifier service. With about 500 V plate capability and 6 W dissipation, it provides modest transmitting power from a compact device.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 275 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	14000 Ω
TRANSCONDUCTANCE	0.0018 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	6 W
MAXIMUM CATHODE CURRENT	100 mA

Small directly heated transmitting triode for amateur oscillator and RF amplifier 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	275 mA	—
Transconductance	1800 μ S	—
Amplification factor	25	—
Plate resistance	14000 ohm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	500 V	—
Maximum plate dissipation	6 W	—
Maximum cathode current	100 mA	—
Typical RF output power	5 W	PlateVoltage=300V;14m