



ELECTRONIC TUBE REFERENCE

TA045

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

RF power transmitting triode for amplifier, oscillator, communications, broadcast, or industrial high-frequency generator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 1.6 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	11000 Ω
TRANSCONDUCTANCE	0.0009 S
AMPLIFICATION FACTOR	10
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	10 W
Transmitting triode	

Directly heated Philips transmitting triode with tungsten filament, intended for amateur transmitter service. The source gives filament data, anode voltage and dissipation, amplification factor, transconductance, and internal resistance.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gloeispanning v	50 V	—
Gloeistroom $i_r = *$	16 A	—
Anodedissipatie w,	10 W	—
Anodedissipatie beproefd op wye	20 W	—
Verzadigingsstroom i ,	75 mA	—
Anodespanning v	400 V	—
Steilheid S =*	9 mA	—
Gloeispanning v_p	57 V	—
Gloeistroom $i_{-} = *$	19 A	—
Anodedissipatie w,	20 W	—
Anodedissipatie beproefd op we	50 W	—
Verzadigingsstroom i , —	100 mA	—
Anodespanning $v_a = 500$	~800 V	—
Steilheid S =*	14 mA	—
Gloeispanning $v_p = 6$	~75 V	—
Gloeistroom $i = *$	1.25 A	—
Anodedissip. bepr. opw,,	15 W	—
Verzadigingsstroom i , = ca	500 mA	—
Max. anodespanning v, = 200—	~400 V	—
Steilheid S = ca	20 mA	—
Ve 2 G-/	5 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
V3 = max	400 V	Modulator
is =ca	500 mA	Modulator
Wy	10 W	Modulator