



ELECTRONIC TUBE REFERENCE

TA105000KI

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Directly heated water-cooled Philips transmitting triode for high-power transmitter service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	21.5 V / 26 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode

No fixed ratings recorded.

Water-cooled transmitting triode

Directly heated water-cooled transmitting triode for high-power transmitter service. The Philips sheet provides filament, high-voltage anode, dissipation, output, modulation, and cooling data.

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
Anodespanning 8000 9000 ' 10000 11000	12000 V	—
ANODESPANNING	12000 V	—
100% [1]	400 mA	Modulator
100% [2]	1.45 kW	Modulator
100% [3]	5.8 kW	Modulator
50% [1]	450 mA	Modulator
50% [2]	1.8 kW	Modulator
50% [3]	5.83 kW	Modulator
60% [1]	550 mA	—
60% [2]	2.4 kW	—
60% [3]	6.15 kW	—
Dczc met water gekoelde zend- ANODESPANNING	10000 V	—
en hoger worden gebruikt. De 100% [1]	40 A	—
en hoger worden gebruikt. De 100% [2]	1.2 kW	—
en hoger worden gebruikt. De 100% [3]	4.8 kW	—
anode van de lamp bestaat uit een 80% [1]	450 mA	—
anode van de lamp bestaat uit een 80% [2]	1.5 kW	—
anode van de lamp bestaat uit een 80% [3]	4.86 kW	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
chromijzeren cylinder, die aan 60% [1]	550 mA	—
chromijzeren cylinder, die aan 60% [2]	2 kW	—
chromijzeren cylinder, die aan 60% [3]	5.12 kW	—
koelmantel, welke om de anode	1 s	—
kd PHILIPS Gloeispanning oV	215 V	—
Gloeistroom ...s I; = ca	26 A	—
ca	3 A	—
Anodespanning ... Va = 4000	-12000 V	—
Toelaatbare anodedissipatie W,	5 kW	—
Q@\ Anodedissipatie tijdens meting Wy	7.5 kW	—
N, @A Steilheid bij 7, [1]	5 A	—
N, @A Steilheid bij 7, [2]	4 mA	—
B/ QQ&	24 S	—
xb,, "Q Grootste steilheid Smax = ca	5.5 mA	—
I,==00	5 A	—
ari00	776000 V	—