



ELECTRONIC TUBE REFERENCE

TA102500

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated high-mu transmitting triode for telegraph and telephone transmitter service. High amplification factor, substantial plate dissipation, and operation near 10 kV support several kilowatts of useful professional RF output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.5 V / 24 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.005 S
AMPLIFICATION FACTOR	130
MAXIMUM PLATE DISSIPATION	750 W
<i>High-power transmitting triode</i>	

Directly heated high-power transmitting triode for telegraphy and telephony transmitter service. The source includes filament and anode ratings, dissipation, amplification factor, transconductance, internal resistance, and operating tables.

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
utile allant jusqu'a	2.5 kW	—
tension anodique de	10000 V	—
que cette tension puisse Etre portée a	12000 V	—
bon est déjà possible pour	6000 V	—
anodique de	10000 V	—
Puissance appliquée 1250 1500 1850 2500	3250 W	—
Puissance utile 500 750 1100 1750	2500 W	—
Dissipation anodique 750 750 750 750	750 W	—
a} r Tension de chauffage V,	125 V	—
PHILIPS Courant de chauffage I	24 A	—
TA /0/2500 Courant de saturation..... I,	1.5 A	—
Tension anodique V., = 6000—	12000 V	—
Dissipation anodique admissible W,	750 W	—
Ja'éfig()u Dissipation anodique d'essai W	1000 W	—
Inclinaison pour V,	10000 V	—
12 / // [, [1]	100 mA	—
12 / // [, [2]	2.5 mA	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Inclinaison maximum Smax	5 mA	—
Résistance intérieure pour	1 V	—
08 [1]	10000 V	—
08 [2]	100 mA	—
Réhre	2.5 kW	—
gesteigert werden. Bei6	0 V	—
Heizspannung . vp = ca	140 V	—
Heizstrom . if = ca	245 A	—
Sättigungsstrom iy,	1500 mA	—
Anodenspannung . v, – 6000–	12000 V	—
Anodenverlust. w,	750 W	—
Anodenverlust gepriift aut w,,–	1000 W	—
Steilheit . . S –ca	30 mA	—
Innerer Widerstand. i tw m . R, = ca	30000 Ohm	—
Sättigungsspannung in der Gitterfläche . v, –	400 V	—

TUBE TINKER

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and their source documents.

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