



ELECTRONIC TUBE REFERENCE

TA1210000

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Large water-cooled directly heated transmitting triode for high-power telegraph and telephone transmitters. Approximately 12 kW plate dissipation, 12 kV capability, and an exceptionally heavy filament support very high continuous RF power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	22 V / 38.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	4000 Ω
TRANSCONDUCTANCE	0.01 S
AMPLIFICATION FACTOR	40
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM PLATE DISSIPATION	12000 W
Water-cooled transmitting triode	

Directly heated water-cooled transmitting triode for high-power telegraphy and telephony transmitters. The anode forms part of the external wall and the sheet specifies up to 12 kW anode dissipation with detailed electrical characteristics.

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
enlevée et la dissipation anodique peut atteindre	12 kW	—
de	15 kW	—
modulation désirée, de [1]	15 a	Modulator
modulation désirée, de [2]	6 kW	Modulator
Tension de chauffage . , vf env	22 V	—
Courant de chauffage . if env	385 A	—
Courant de saturation . iy env	5 A	—
Dissipation anodique . W,	12000 W	—
Dissipation anodique d'essai . . Wgot	15000 W	—
Inclinaison . . env	10 mA	—
Tension de saturation dans le plan de la grille . . Vg env	1000 V	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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