

ELECTRONIC TUBE REFERENCE

TA10600

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Directly heated high-mu transmitting triode for professional transmitter service, including marine equipment. Approximately 10 kV plate capability and very high amplification factor provide strong voltage gain for RF power stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.5 V / 63 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.003 S
AMPLIFICATION FACTOR	160
MAXIMUM PLATE VOLTAGE	10000 V
MAXIMUM PLATE DISSIPATION	200 W
Transmitting triode	

Directly heated transmitting triode intended for transmitter service, including marine use. The sheet specifies filament and anode conditions, 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
N\	50 S	—
Heizspannung y=ca	125 V	—
Sättigungsstrom ig	260 mA	—
Anodenspannung . v, = 40600–	-12000 V	—
Zulässiger Anodenverlust. w,	200 W	—
Anodenverlust gepriift auf w,–	300 W	—
Steilheit . . .S =ca	1.7 mA	—
Sättigungsspannung in der Gitterfliche . vy = ca	500 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage Vi	125 V	—
Filament current I - appr	63 A	—
In conjunction with this valve, two Philips rectifying valves DA 10/550 Total emission I = appr	4 A	—
can be used. Anode voltage A max	10000 V	—
Max. permissible anode dissipation \ [1]	4 a	—
Max. permissible anode dissipation \ [2]	200 W	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
If no importance is attached to the construction as per drawing, Anode dissipation during test Wat	<300 W	—
Mutual conductance at ,	75 mA	—
these terminals with fixing clamp but only beaded leads. Internal resistance atl, Ri appr	120000 ohms	—

TUBE TINKER

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