



ELECTRONIC TUBE REFERENCE

TBL15125

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Directly heated Philips high-power transmitting triode closely related to the TBL12100 but with different filament characteristics. Rated for approximately 30 kW plate dissipation and 10 kV plate voltage for substantial RF power service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	17.5 V / 196 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	10000 V
MAXIMUM PLATE DISSIPATION	30000 W
MAXIMUM CATHODE CURRENT	10.5 A
<i>Published filament, capacitance, typical characteristics, limiting values and RF/AF operating tables reviewed.</i>	

TBL15125 is a Philips high-power transmitting triode equivalent to TBL12100 except filament data. The supplied datasheet provides direct-filament data, RF/AF ratings, capacitances and high-power operating conditions.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V4

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 PHILIPS ELECTRON TUBES HANDBOOK V4

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	17.5 V	DirectlyHeated
Filament current	196 A	DirectlyHeated

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	10000 V	Published limit
Maximum plate dissipation	30000 W	Published limit
Maximum cathode/plate current	10.5 A	Published limit
Maximum starting filament current	420 A	FilamentStarting
Maximum grid current	3.5 A	RFService
Maximum frequency	30 MHz	RFService
Plate input power	105 kW	RFService