



ELECTRONIC TUBE REFERENCE

P500

Power - Pentode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Philips/Valvo directly heated transmitting pentode rated for high-power Class-C telegraphy service. Its filamentary construction and power ratings suit radio-frequency transmitter output stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.006 S
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	300 W
<i>Published ratings and characteristics were promoted when unambiguous; additional operating values are preserved in TUBE_SECTION_PARAMETER.</i>	

Philips/Valvo P500 SFR transmitting pentode, directly heated and rated for high-power class-C telegraphy service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

194X Wehrmacht Rohren

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

194X WEHRMACHT ROHREN

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	2000 V	Class C telegraphy
Plate current	420 mA	Class C telegraphy
Screen voltage	850 V	Class C telegraphy
Control-grid voltage	-260 V	Class C telegraphy
Drive power	4 W	Class C telegraphy
RF output power	550 W	Class C telegraphy

TUBE TINKER

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and their source documents.

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