



ELECTRONIC TUBE REFERENCE

F443

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Pentode designed for output, amplifier, or modulator service. Philips documentation provides electrical ratings, heater data, operating limits, and characteristics supporting power-capable signal and modulation applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 2 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.004 S
MAXIMUM PLATE VOLTAGE	550 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	25 W
<i>Published ratings/characteristics are also preserved as parameter rows.</i>	

Pentode for output, amplifier, or modulator service. Electrical ratings, heater data, operating limits, and published characteristics are captured from the supplied datasheet.

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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
betragt	550 V	betragt 550 V; der Anodenverlust
nung auf	25 W	nung auf 25 Watt.
Die F	443 w	Die F 443 wird normalerweise
Heizspannung . \i	4 V	Heizspannung . \i 4,0 V
Heizstrom ip	2 A	Heizstrom ip 2,0 A
Anodenspannung . \a	-550 V	Anodenspannung . \a 400-550 V
150-200 V	-200 V	150-200 V
Steilheit . S	4 mA	Steilheit . S 4,0 mA/V
Negative Steuergitterspannung (beivg' ==200V) Vg	200 V	Negative Steuergitterspannung (beivg' ==200V) Vg 39V
Negative Steuergitterspannung (beivg' ==200V) Vg	39 V	Negative Steuergitterspannung (beivg' ==200V) Vg 39V
Normaler Anodenstrom (beiv/=200V) i a	200 V	Normaler Anodenstrom (beiv/=200V) i a 45 mA
Normaler Anodenstrom (beiv/=200V) i a	45 mA	Normaler Anodenstrom (beiv/=200V) i a 45 mA
29 V bei	29 V	29 V bei 150 V Schirmgitterspannung (v, = 400 V),
29 V bei	150 V	29 V bei 150 V Schirmgitterspannung (v, = 400 V),
29 V bei	400 V	29 V bei 150 V Schirmgitterspannung (v, = 400 V),
39V ""	39 V	39V "" 200 V 3 (v, = 550 V).
39V ""	200 V	39V "" 200 V 3 (v, = 550 V).

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
39V ""	550 V	39V "" 200 V 3 (v, = 550 V).
Vf=	40 V	Vf= 40V
Vg =400-550V	-550 V	Vg =400-550V
150-200V	-200 V	150-200V

TUBE TINKER

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and their source documents.

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