



ELECTRONIC TUBE REFERENCE

E443H

Power - Pentode Single (NOT beam) (under 10W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Power/output pentode designed for audio-frequency power amplification in single-ended or push-pull output stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	4 V / 1.1 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	13000 Ω
TRANSCONDUCTANCE	0.0028 S
AMPLIFICATION FACTOR	120
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	9 W
<i>Philips directly heated power pentode.</i>	

E443H is a Pentode device in the supplied Philips literature. Philips directly heated power pentode.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Philips Miniwatt Vacuum Tube Catalog

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

1938 PHILIPS MINIWATT VACUUM TUBE CATALOG

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Plate current	36 mA	ClassA
Grid bias	-15 V	ClassA
Screen voltage	250 V	ClassA
Optimum load resistance	7000 ohm	ClassA
Power output	3.1 W	ClassA
Distortion	9.7 %	AtRatedOutput
Maximum anode dissipation	9 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2.8 mA/V	ClassA
Amplification factor	120	ClassA
Internal resistance	13000 ohm	ClassA

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Normal plate current	36 mA	—
Grid bias	-14 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum transconductance	3500 μ S	—

TUBE TINKER

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