

ELECTRONIC TUBE REFERENCE

45A5

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Power-amplifier pentode designed for audio-frequency output service. Philips documentation provides ratings, characteristics, and operating data for low-frequency load-driving applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	24000 Ω
TRANSCONDUCTANCE	0.0082 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM SCREEN DISSIPATION	4 W
MAXIMUM CATHODE CURRENT	75 mA
Published electrical data extracted from supplied datasheet.	

Power amplifier pentode for audio-frequency output service. Published ratings, characteristics, and operating data were read from the supplied source.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	200 V	—
Screen voltage	200 V	—
Plate current	45 mA	—
Grid 1 voltage	-14.2 V	—
Transconductance	8200 μ S	—
Plate resistance	24000 ohm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical load resistance	4300 ohm	ClassA
Typical screen current	8.5 mA	ClassA

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker