



ELECTRONIC TUBE REFERENCE

F704

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Pentode designed for output, amplifier, or modulator service. Manufacturer data provide heater ratings, operating limits, and electrical characteristics for power-capable amplification and modulation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 1.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.0021 S
MAXIMUM PLATE VOLTAGE	450 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
tie van	25 W	tie van 25 W mag niet wor-
ning van	450 V	ning van 450 V mag dus
55 mA bedragen, hetgeen	55 mA	55 mA bedragen, hetgeen
spanning van ca	84 V	spanning van ca. 84 V het
anodespanning van	400 V	anodespanning van 400 Volt, waarbij de anodestroom
dus	60 mA	dus 60 mA mag bedragen hetgeen bij een negatieve
roosterspanning van ongeveer	75 V	roosterspanning van ongeveer 75 V het geval is.
?:250 v	250 v	?:250 v
Gloeispanning cviiiiiiiiiiiiii v, =	7.5 V	Gloeispanning cviiiiiiiiiiiiii v, = 7,5V
Gloeistroom oviiiiiiiiiii i if = ca	1.25 A	Gloeistroom oviiiiiiiiiii i if = ca. 1,25 A
Verzadigingsstroom ...t s = ca	900 mA	Verzadigingsstroom ...t s = ca. 900 mA
Anodespanning iiiiiiiiiiiiiii. .. v, =	450 V	Anodespanning iiiiiiiiiiiiiii. .. v, = 250—450 V
Maximale anodedissipatie w,=	25 W	Maximale anodedissipatie w,= 25 W
Anodedissipatie beproefd op wy=	35 W	Anodedissipatie beproefd op wy= 35 W
Steilheid ... o S = ca	2.1 mA	Steilheid ... o S = ca. 2,1 mA V

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

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