



ELECTRONIC TUBE REFERENCE

6CJ6

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Power-amplifier pentode designed specifically for television horizontal-deflection service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9AS	BASE PINS	9
NOMINAL HEATER	6.3 V / 1.05 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	15000 Ω
TRANSCONDUCTANCE	0.0046 S
AMPLIFICATION FACTOR	5.1
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	8 W
MAXIMUM SCREEN DISSIPATION	4.5 W
MAXIMUM CATHODE CURRENT	180 mA
<i>Horizontal-deflection power pentode.</i>	

Power-amplifier pentode for television horizontal-deflection service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	HorizontalDeflection
Screen-grid voltage	250 V	HorizontalDeflection
Grid voltage	-38.5 V	HorizontalDeflection
Plate current	32 mA	HorizontalDeflection
Screen-grid current	2.4 mA	HorizontalDeflection
Maximum positive pulse plate voltage	7000 V	HorizontalDeflection
Maximum plate plus screen dissipation	10 W	HorizontalDeflection
Maximum DC cathode current	180 mA	HorizontalDeflection



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
Heater voltage	6.3 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	1.05 A	—
Plate voltage	250 V	—
Screen voltage	250 V	—
Plate current	32 mA	—
Screen current	2.4 mA	—
Transconductance	4600 μ S	—
Plate resistance	15000 ohm	—
Screen-grid amplification factor	5.1	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak positive surge plate voltage	7000 V	PulseDuration $\leq$ 18 μ s
Peak negative surge plate voltage	7000 V	PulseDuration $\leq$ 18 μ s
Designed peak plate current	390 mA	LineTimeBase;Vp=70V;Vs=200V
Push-pull sound output power	20 W	ClassB;PushPull;TwoTubes;PlateVoltage=200V

TUBE TINKER

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