



ELECTRONIC TUBE REFERENCE

1N6G

Voltage - Pentode or Tetrode (with diode) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-PENTODE

Battery-receiver combination tube containing a detector diode and power-amplifier pentode for signal detection and audio output service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7AM	BASE PINS	8
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Pentode

PLATE RESISTANCE	300000 Ω
TRANSCONDUCTANCE	0.0008 S
MAXIMUM PLATE VOLTAGE	110 V
MAXIMUM SCREEN VOLTAGE	110 V
Combined detector diode and power-amplifier pentode for battery receivers.	

SECTION2 Diode

No fixed ratings recorded.

Diode section; source publishes limited separate diode ratings/characteristics.

Combined detector diode and power-amplifier pentode for battery receivers. Electrical ratings and representative operating data were extracted from the approved manual page.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	90 V	—
Screen Voltage	90 V	—
Grid Voltage	-4.5 V	—
Plate Current	3.1 mA	—
Screen Current	0.6 mA	—
Load Impedance	25000 ohm	—
Power Output	100 mW	3.5 V RMS signal



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	90 V	ClassA; OperatingPoint1
Screen voltage	90 V	ClassA; OperatingPoint1
Control-grid bias	4.5 V	ClassA; OperatingPoint1
Plate current	3.4 mA	ClassA; OperatingPoint1

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen current	0.7 mA	ClassA; OperatingPoint1
Load resistance	25000 ohm	ClassA; OperatingPoint1
Power output	0.1 W	ClassA; OperatingPoint1

TUBE TINKER

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and their source documents.

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