



ELECTRONIC TUBE REFERENCE

6AD8

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-PENTODE

Duplex-diode and RF-pentode combination designed for receiver detection and Class-A radio-frequency amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9T	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode

No fixed ratings recorded.

First diode section; no separate electrical values are printed in this compact table.

SECTION2 Diode

PEAK INVERSE VOLTAGE	350 V
NOMINAL OUTPUT CURRENT	0.8 mA

Second diode section; no separate electrical values are printed in this compact table.

SECTION3 Pentode	
PLATE RESISTANCE	1000000 Ω
TRANSCONDUCTANCE	0.0011 S
AMPLIFICATION FACTOR	5.5
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	125 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.3 W
MAXIMUM CATHODE CURRENT	9 mA
<i>RF pentode section.</i>	

Duplex-diode and RF-pentode combination tube for detector and Class A RF-amplifier 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 3 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Screen-grid voltage	85 V	ClassA
Grid voltage	-2 V	ClassA
Plate current	6.7 mA	ClassA
Screen-grid current	2.3 mA	ClassA

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 2 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	350 V	—
Average current	0.8 mA	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Diode 1 capacitance	2.15 pF	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Diode 2 capacitance	2.2 pF	—

1999 PHILIPS 0-D

Section 3 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	500 mA	—
Plate voltage	250 V	—
Screen voltage	85 V	—
Grid voltage	-2 V	—
Plate current	6.7 mA	—
Screen current	2.5 mA	—
Transconductance	4100 μ S	—
Plate resistance	1000000 ohm	—
Screen-grid amplification factor	5.5	—
Pentode input capacitance	4 pF	—
Pentode output capacitance	4.6 pF	—

TUBE TINKER

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and their source documents.

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