



ELECTRONIC TUBE REFERENCE

6AC9

Voltage - Pentode or Tetrode (with diode) electronic tube

CONSOLIDATED TECHNICAL DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-PENTODE

Compactron pentode and double-diode combination designed for color-television IF amplification and phase-detector service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	150000 Ω
TRANSCONDUCTANCE	0.01 S
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM SCREEN VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM SCREEN DISSIPATION	0.55 W
<i>Published source ratings/characteristics promoted where applicable; identical repeated sections compressed.</i>	

SECTION2 Diode	
MAXIMUM CATHODE CURRENT	5 mA
<i>Published source ratings/characteristics promoted where applicable; identical repeated sections compressed.</i>	

SECTION3 Diode

MAXIMUM CATHODE CURRENT

5 mA

Published source ratings/characteristics promoted where applicable; identical repeated sections compressed.

Compactron general-purpose pentode and double diode intended for color-television IF-amplifier and phase-detector service.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	150000 ohm	—
Transconductance	10000 μ S	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	330 V	—
Maximum Screen Voltage	330 V	—
Maximum Plate Dissipation	2.5 W	—
Maximum Screen Dissipation	0.55 W	—

1950 SYLVANIA

Section 2 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Cathode Current	5 mA	—

1950 SYLVANIA

Section 3 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Cathode Current	5 mA	—

TUBE TINKER

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

