



ELECTRONIC TUBE REFERENCE

6FR7

Power - TV Vertical Output electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Dissimilar dual triode designed for television vertical-deflection service, combining an oscillator section with a high-current output amplifier rated for substantial positive plate pulses.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	9.7 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	1500 V
Electrical section extracted from supplied datasheet.	

SECTION2 Triode	
MAXIMUM PLATE VOLTAGE	1500 V
Electrical section extracted from supplied datasheet.	

Dissimilar dual triode featuring oscillator and amplifier sections for vertical-deflection 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 2 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage 9.7 13.0 6.31 Volts 361362	6.31 V	Heater Voltage 9.7 13.0 6.31 Volts 361362
Heater Current 2 600! 4501 925 Ma 3 75?	925 mA	Heater Current 2 600! 4501 925 Ma 3 75?
Heater Voltage - - - 5.7- 6.9 Volts 1002 Dia.	-6.9 V	Heater Voltage - - - 5.7-6.9 Volts 1002 Dia.
Plate Voltage 250 150 Volts	150 V	Plate Voltage 250 150 Volts
Grid No. 1 Voltage -3 --20 Volts	20 V	Grid No. 1 Voltage -3 --20 Volts
Plate Current 1.4 50 Ma	50 mA	Plate Current 1.4 50 Ma
Transconductance 1600 7200 umhos	7200 umhos	Transconductance 1600 7200 umhos
Plate Resistance (Approx.) 40,000 750 Ohms	750 Ohms	Plate Resistance (Approx.) 40,000 750 Ohms

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage 330 330 Volts Max.	330 V	Plate Voltage 330 330 Volts Max.
Pecak Positive Pulse Plate Voltage - 1500 Volts Max,	1500 V	Pecak Positive Pulse Plate Voltage - 1500 Volts Max,
Peak Negative Pulse Grid Voltage 400 250 Volts Max.	250 V	Peak Negative Pulse Grid Voltage 400 250 Volts Max.
Plate Dissipation6 1.5 10 Watts Max.	10 W	Plate Dissipation6 1.5 10 Watts Max.
Average Cathode Current 22 50 Ma Max.	50 mA	Average Cathode Current 22 50 Ma Max.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pealt Cathode Current 77 175 Ma Max.	175 mA	Pealt Cathode Current 77 175 Ma Max.

TUBE TINKER

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

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