



ELECTRONIC TUBE REFERENCE

7734

Voltage - Triode Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TRIODE

High-perveance triode plus sharp-cutoff pentode designed specifically for electronically regulated power-supply circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 900 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	3000 Ω
TRANSCONDUCTANCE	0.008 S
MAXIMUM PLATE VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	7 W
MAXIMUM CATHODE CURRENT	50 mA
<i>Published Westinghouse ratings, characteristics, typical operating conditions, and capacitances extracted from supplied source.</i>	

SECTION2 Pentode	
PLATE RESISTANCE	340000 Ω
TRANSCONDUCTANCE	0.0032 S
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM SCREEN VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM SCREEN DISSIPATION	0.5 W
<i>Published Westinghouse ratings, characteristics, typical operating conditions, and capacitances extracted from supplied source.</i>	

High-perveance triode plus sharp-cutoff pentode for electronically regulated power supplies.

SOURCE OPERATING CONDITIONS

1965 Sylvania Electronic Tubes Vol3

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

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	900 mA	—
Grid To Plate Capacitance	1.5 pF	—
Input Capacitance	5.5 pF	—
Output Capacitance	1.3 pF	—
Plate Voltage	150 V	—
Plate Current	70 mA	ZeroBias

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PeakCathodeCurrentMaximum	175 mA	—

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 2 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid To Plate Capacitance	0.2 pF	—
Input Capacitance	8 pF	—
Output Capacitance	2.4 pF	—
Plate Voltage	150 V	—
Screen Voltage	150 V	—
Grid Voltage	-2 V	—
Plate Resistance	340000 ohm	—
Transconductance	3200 uS	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterCathodeVoltageMaximum	300 V	HeaterNegative

TUBE TINKER

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

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