



ELECTRONIC TUBE REFERENCE

5794

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

5794 pencil-type fixed-tuned UHF oscillator triode with integral resonators for radiosonde transmission near 1680 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 135 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	120 V
MAXIMUM PLATE DISSIPATION	3.6 W
<i>Sylvania/RCA 5794 1680 MHz fixed-tuned radiosonde oscillator with integral resonators. RCA 1956 3.6 W maximum plate dissipation, 120 V oscillator maximum plate per 6562-related rating; Sylvania at plate 95 V, Ia 24 mA, 300 mW output, heater 5.2 V ~146 mA. At plate 117 V heater 6.6 V, plate current max 34 mA. Frequency adjustment ± 12 MHz, 50 Ω coaxial output, max seal temp 175°C. Heater nominal scalar retained 6.3 V 0.135 A pending reconciliation. Not the adjacent RCA 5876 pencil triode: do not copy its mu, gm or rp. No ordinary socket base.</i>	

Pencil-tube continuous-wave fixed-tuned oscillator designed for approximately 1670-1700 MHz operation with about 300 mW output.



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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency Maximum	1700 MHz	—
Plate Voltage	95 V	—
Oscillation Plate Current	24 mA	—
Power Output	300 mW	1700 MHz



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 RCA Transmitting Tubes

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

1956 RCA TRANSMITTING TUBES

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	6.3 V	—
HeaterOrFilamentCurrent	135 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumOperatingFrequency	1680 MHz	—

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

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