



ELECTRONIC TUBE REFERENCE

5744

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-mu subminiature triode for high-frequency converter or oscillator service to several hundred megahertz, also usable as a general audio-frequency voltage amplifier.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5744	BASE PINS	8
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	17500 Ω
TRANSCONDUCTANCE	0.004 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	1.5 W
Published promoted fields populated semantically; identical repeated sections compressed.	

The 5744 is a high-mu subminiature triode suitable as a high-frequency converter or oscillator up to several hundred megacycles and as a general-purpose audio-frequency voltage amplifier.



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 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Cathode-bias resistor	500 ohm	ClassA
Plate current	4 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	4000 uS	—
Amplification factor	70	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	17500 ohm	PlateVoltage=250V
Amplification Factor	70	PlateVoltage=250V
Transconductance	4000 uS	PlateVoltage=250V

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 3 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 3 OF 4

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	0.83 pF	WholeTube
Grid-to-cathode capacitance	2.6 pF	WholeTube
Plate-to-cathode capacitance	0.9 pF	WholeTube

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA1
Cathode bias resistance	500 ohm	ClassA1
Amplification factor	70	ClassA1
Transconductance	4000 μ S	ClassA1
Maximum plate voltage	250 V	WholeTube
Plate resistance	17500 ohm	ClassA1

TUBE TINKER

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