

ELECTRONIC TUBE REFERENCE

6S4

Power - TV Vertical Output electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Medium-mu power triode designed specifically for television vertical-deflection amplification. Moderate plate resistance, several watts of dissipation, and high pulse-voltage capability make it suitable for frame-output circuits rather than ordinary small-signal amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	3600 Ω
TRANSCONDUCTANCE	0.0045 S
AMPLIFICATION FACTOR	16
MAXIMUM PLATE VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	7.5 W
MAXIMUM CATHODE CURRENT	30 mA

The Westinghouse 6S4 is a medium-mu triode for television vertical-deflection amplifier service.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	600 mA	—
Plate voltage	500 V	Typical operating conditions
Plate current	18 mA	Typical operating conditions

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Westinghouse Data Book

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

1965 WESTINGHOUSE DATA BOOK

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	600 mA	—
Plate Voltage	250 V	—
Grid Voltage	-8 V	—
Plate Current	26 mA	—
Transconductance	4500 μ S	—
Amplification Factor	16 ratio	—
Plate Resistance	3600 ohm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	500 V	VerticalDeflection
Maximum Peak Positive Plate Voltage	2200 V	Pulse
Maximum Plate Dissipation	7.5 W	—
Maximum Average Cathode Current	30 mA	—
Maximum Peak Cathode Current	105 mA	—

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