



ELECTRONIC TUBE REFERENCE

5HC7

Voltage - Dual Triode (dissimilar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Dissimilar twin triode designed for television sync-clipper and gated-AGC amplifier service, combining sections of substantially different gain and current capability in one envelope.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
NOMINAL HEATER	5.6 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	5200 Ω
TRANSCONDUCTANCE	0.0044 S
AMPLIFICATION FACTOR	23
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	3 W
Two dissimilar triodes for television sync-clipper and gated-AGC amplifier service; electrically identical to 4HC7 except heater ratings.	

SECTION2 Triode	
PLATE RESISTANCE	53000 Ω
TRANSCONDUCTANCE	0.0019 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1.2 W
<i>Two dissimilar triodes for television sync-clipper and gated-AGC amplifier service; electrically identical to 4HC7 except heater ratings.</i>	

5HC7 is a DualTriode device. Two dissimilar triodes for television sync-clipper and gated-AGC amplifier service; electrically identical to 4HC7 except heater ratings.



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	5.6 V	—
Heater current	450 mA	—

1961 TUNG SOL

Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	5.6 V	—
Heater current	450 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 1 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 1 OF 4

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	150 V	Triode1
Grid voltage	-1 V	Triode1
Plate current	18 mA	Triode1
Transconductance	4400 μ S	Triode1

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	23	Triode1
Plate resistance	5.2 k0hm	Triode1

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	1.9 pF	Triode1

1966 TUNG SOL ELECTRONIC TUBES 1 OF 4

Section 2 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	150 V	Triode2
Grid voltage	-1 V	Triode2
Plate current	1 mA	Triode2
Transconductance	1900 uS	Triode2
Amplification factor	100	Triode2
Plate resistance	53 k0hm	Triode2

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	2.2 pF	Triode2