

ELECTRONIC TUBE REFERENCE

4EW6

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Sharp-cutoff pentode designed for television IF, picture-IF, video, or VHF tuner amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	4.2 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	200000 Ω
TRANSCONDUCTANCE	0.014 S
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM SCREEN VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	3.1 W
MAXIMUM SCREEN DISSIPATION	0.5 W
Reference/equivalence-only source: ratings/characteristics for this section are not reproduced; missing promoted values intentionally not inferred from the external 6EW6 datasheet.	

Sharp-cutoff pentode for television video-output and amplifier service.

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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HEATER VOLTAGE	4.2 V	Maximum Ratings HEATER VOLTAGE 4.2 VOLTS
MAXIMUM SCREEN — SUPPLY VOLTAGE	330 V	Maximum Ratings MAXIMUM SCREEN — SUPPLY VOLTAGE 330 VOLT\$
MAXIMUM PLATE DISSIPATION	3.1 W	Maximum Ratings MAXIMUM PLATE DISSIPATION 3.1 WATTS
MAXIMUM SCREEN DISSIPATION (O.E)	5 W	Maximum Ratings MAXIMUM SCREEN DISSIPATION O.E)5 WATTS
HEATER WARM— UP TIME (APPROX.) *	11 s	Maximum Ratings HEATER WARM— UP TIME (APPROX.) * 11.0 SECONDS

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HEATER VOLTAGE	4.2 V	ClassA HEATER VOLTAGE 4.2 VOLTS
PLATE VOLTAGE	125 V	ClassA PLATE VOLTAGE 125 VOLTS
SCREEN VOLTAGE	125 V	ClassA SCREEN VOLTAGE 125 VOLTS
CATHODE —BIAS RESISTOR	56 ohm	ClassA CATHODE —BIAS RESISTOR 56 OHMS
PLATE RESISTANCE (APPROX.) 0	2 Mohm	ClassA PLATE RESISTANCE (APPROX.) 0.2 MEGOHMS
PLATE CURRENT	11 mA	ClassA PLATE CURRENT 11 MA.
SCREEN CURRENT j'	2 mA	ClassA SCREEN CURRENT j'.2 MA.
GRID #	-3.5 V	ClassA GRID #1 VOLTAGE (APPROX.) Ib= 20 μAMPS. -3.5 VOLTS
GRID #	2 V	ClassA GRID #2 VOLTS
GRID #	2 mA	ClassA GRID #2 MILLIAMPERES



SOURCE OPERATING CONDITIONS

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	4.2 V	—
Heater Current	600 mA	—



SOURCE OPERATING CONDITIONS

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1971 RCA HB3 Binder 4 of 7

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

1971 RCA HB3 BINDER 4 OF 7

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	125 V	IFAmplifier
Grid 2 voltage	125 V	IFAmplifier
Grid 1 voltage	-3.5 V	IFAmplifier
Plate current	11 mA	IFAmplifier
Grid 2 current	3.2 mA	IFAmplifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	200000 ohm	IFAmplifier
Transconductance	14000 uS	IFAmplifier
Heater warm-up time	11 s	ControlledWarmUp

TUBE TINKER

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

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