

ELECTRONIC TUBE REFERENCE

5876A

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Coaxial pencil-type UHF power triode for RF amplification and oscillation. Its low-inductance construction supports full Class A and Class C ratings to roughly 1.7 GHz and operation at high altitude.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 135 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	8615 Ω
TRANSCONDUCTANCE	0.0065 S
AMPLIFICATION FACTOR	56
MAXIMUM PLATE VOLTAGE	360 V
MAXIMUM PLATE DISSIPATION	6.25 W
MAXIMUM CATHODE CURRENT	25 mA
Representative electrical section from supplied RCA data sheet.	

Coaxial metal-glass pencil-type medium-mu UHF power triode for RF amplification, oscillation and power service through the microwave-region frequencies specified by the datasheet.



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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid To Plate	1.4 pF	—
Grid To Cathode	2.4 pF	—
Plate To Cathode	0.035 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FrequencyForFullRatings	1700 MHz	—
Useful Power Output	3 W	500MHz;CathodeDrive



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	135 mA	—
Maximum full-rating frequency	1700 MHz	ClassA RF

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum full-rating frequency	1700 MHz	ClassC RF
Maximum altitude at full ratings	60000 ft	—
Minimum preheat time	60 s	—
Maximum plate voltage	360 V	—
Maximum plate dissipation	6.25 W	—
Maximum cathode current	25 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Static plate voltage	250 V	—
Static cathode resistor	75 ohm	—
Static plate current	18 mA	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	1.4 pF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 RCA HB3 Binder 6 of 7

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

1971 RCA HB3 BINDER 6 OF 7

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage nominal	6.3 V	WholeTube
Heater/filament current	135 mA	WholeTube
Voltage (AC or DC)	6.3 %	Published source row
Voltage (AC or DC) (value 2)	10 %	Published source row
Current at	6.3 V	Published source row

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Current at (value 2)	0 V	Published source row
Current at (value 3)	135 V	Published source row
Amplification Factor	56	Published source row
DC PLATE VOLTAGE	300 V	Published source row
~ DC GRID VOLTAGE	-100 V	Published source row
DC PLATE CURRENT	25 mA	Published source row
PLATE DISSIPATION°	6 W	Published source row
PLATE DISSIPATION° (value 2)	25 W	Published source row
Grid-Circuit Resistance	0 Mohm	Published source row
Grid-Circuit Resistance (value 2)	5 Mohm	Published source row
DC PLATE VOLTAGE	360 V	Published source row
DC GRID VOLTAGE	-100 V	Published source row
DC PLATE CURRENT	25 mA	Published source row
DC GRID CURRENT	8 mA	Published source row
PLATE INPUT	9 W	Published source row
PLATE DISSIPATION°	6.25 W	Published source row
At frequency of 1000 Hz	0	Published source row
DC Plate-to-Grid Voltage	262 V	Published source row
DC Plate-to-Grid Voltage (value 2)	252 V	Published source row
DC Plate-to-Grid Voltage (value 3)	252 V	Published source row
DC Cathode-to-Grid Voltage	12 V	Published source row
DC Cathode-to-Grid Voltage (value 2)	2 V	Published source row
DC Cathode-to-Grid Voltage (value 3)	2 V	Published source row
DC Plate Current	23 mA	Published source row
DC Plate Current (value 2)	23 mA	Published source row
DC Plate Current (value 3)	25 mA	Published source row
DC Grid Current (Approx.)	6 mA	Published source row
DC Grid Current (Approx.) (value 2)	4 mA	Published source row

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Useful Power Output (Approx.)	3 W	Published source row
Useful Power Output (Approx.) (value 2)	0.75 W	Published source row
Useful Power Output (Approx.) (value 3)	0.1 W	Published source row
DC Plate-to-Grid Voltage	326 V	Published source row
DC Cathode-to-Grid Voltage ⁹	51 V	Published source row
DC Plate Current	23 mA	Published source row
DC Grid Current (Approx.)	7 mA	Published source row
Driver Power Output (Approx.)	2 W	Published source row
Useful Power Output (Approx.)	5 W	Published source row
Grid-Circuit Resistance	0 Mohm	Published source row
Grid-Circuit Resistance (value 2)	1 Mohm	Published source row
DC PLATE VOLTAGE	275 V	Published source row
DC GRID VOLTAGE	-100 V	Published source row
/ ' ~ ~ DC PLATE CURRENT	22 mA	Published source row
DC GRID CURRENT	8 mA	Published source row
PLATE INPUT	6 W	Published source row
PLATE DISSIPATION [°]	4.25 W	Published source row
Grid-Circuit Resistance	0 Mohm	Published source row
Grid-Circuit Resistance (value 2)	1 Mohm	Published source row
DC PLATE VOLTAGE	330 V	Published source row
DC GRID VOLTAGE	-100 V	Published source row
DC PLATE CURRENT	22 mA	Published source row
DC GRID CURRENT	8 mA	Published source row
PLATE INPUT	7 W	Published source row
PLATE INPUT (value 2)	5 W	Published source row
PLATE DISSIPATION	6.25 W	Published source row
~ ~ DC Plate-torrid Voltage	390 V	Published source row

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
~~ DC Plate-torrid Voltage (value 2)	370 V	Published source row
DC Cathode-to-Grid Voltage9	90 V	Published source row
DC Cathode-to-Grid Voltage9 (value 2)	70 V	Published source row
DC Plate Current	18 mA	Published source row
DC Plate Current (value 2)	17.3 mA	Published source row
DC Grid Current (Approx.)	6 mA	Published source row
DC Grid Current (Approx.) (value 2)	7 mA	Published source row
Driver Power Output (Approx.)	2.1 W	Published source row
Driver Power Output (Approx.) (value 2)	2 W	Published source row
Useful Power Output (Approx.)	2.1 W	Published source row
Useful Power Output (Approx.) (value 2)	2 W	Published source row
Grid-Circuat Resistance	0 Mohm	Published source row
Grid-Circuat Resistance (value 2)	1 Mohm	Published source row
Grid-Circuat Resistance (value 3)	0.1 Mohm	Published source row
the audio –frequency envelope does not exceetl	115	Published source row

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Socket for Heater Pins. Grayhill No	22	Published source row
Socket for Heater Pins. Grayhill No (value 2)	-36	Published source row
Socket for Heater Pins. Grayhill No (value 3)	54	Published source row
Socket for Heater Pins. Grayhill No (value 4)	6325	Published source row
Heater Current	1 A	Published source row
Heater Current (value 2)	127 mA	Published source row

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Current (value 3)	143 mA	Published source row

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker