



ELECTRONIC TUBE REFERENCE

9DZ8

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-TRIODE

Combination high-mu triode and power pentode designed as a two-stage audio-frequency amplifier operating from low plate-supply voltage, integrating voltage gain and output power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	NOVAL	BASE PINS	9
NOMINAL HEATER	9 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0014 S
AMPLIFICATION FACTOR	200
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	0.75 W
MAXIMUM CATHODE CURRENT	5 mA
High-mu triode section.	

SECTION2 Beam Power	
TRANSCONDUCTANCE	0.0075 S
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	135 V
MAXIMUM PLATE DISSIPATION	6.5 W
MAXIMUM SCREEN DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	60 mA
<i>Power-pentode section.</i>	

High-mu triode and power pentode designed as a two-stage audio-frequency amplifier from low plate-supply voltage. The supplied Tung-Sol datasheet was used for construction, heater, ratings, characteristics, and intended-service information.



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	9 V	—
Heater current	600 mA	—
Plate voltage	120 V	TriodeSection

1961 TUNG SOL

Section 2 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	145 V	PentodeSection



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 2 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 2 OF 4

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	120 V	—
Cathode Resistor	1500 ohm	—
Plate Current	0.8 mA	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid Cutoff Voltage at 20 uA	-2.5 V	—

1966 TUNG SOL ELECTRONIC TUBES 2 OF 4

Section 2 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	145 V	—
Screen Voltage	120 V	—
Cathode Resistor	180 ohm	—
Plate Current	45 mA	—
Screen Current	6 mA	—
Load Resistance	2500 ohm	—
Power Output	2 W	—

TUBE TINKER

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

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