



ELECTRONIC TUBE REFERENCE

5A6

Power - Beam Single (NOT sweep) (under 10W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Directly heated power pentode designed for Class-B and Class-C RF amplification and frequency-multiplier service at frequencies up to approximately 100 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9L	BASE PINS	9
NOMINAL HEATER	2.5 V / 460 mA	PARALLEL HEATER	1.25 V / 920 mA
HEATING	Direct	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

9L - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – P	A	P – Plate (Anode)	CONNECTED
PIN3 – G3	A	G3 – Suppressor Grid	CONNECTED
PIN4 – F	–	F – Filament	CONNECTED
PIN5 – F	–	F – Filament	CONNECTED
PIN6 – G2	A	G2 – Screen Grid	CONNECTED
PIN7 – G1	A	G1 – Control Grid	CONNECTED
PIN8 – G3	A	G3 – Suppressor Grid	CONNECTED
PIN9 – FCT	–	FCT – Filament Center Tap	CONNECTED

SECTION RATINGS

SECTION1 Beam Power	
AMPLIFICATION FACTOR	30
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM SCREEN DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	40 mA
<i>Published electrical limits and characteristics promoted from the approved source; identical repeated sections compressed where applicable.</i>	

Directly heated power pentode for Class-B and Class-C RF amplification and frequency-multiplier service up to about 100 MHz.



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 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Useful Power Output	3.1 W	ClassC;RFAmplifier;70MHz
OperatingFrequency	70 MHz	RFAmplifier



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 · Beam Power

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GRID TO PLATE: (G	0.15 MMF	Capacitances GRID TO PLATE: (G 1 TO P) MAX. 0.10 0.15 µpf

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MAXIMUM PLATE VOI TA GE	150 V	ClassC MAXIMUM PLATE VOI TA GE 150 VOLTS
MAXIMUM NEGATIVE GRID M	75 V	ClassC MAXIMUM NEGATIVE GRID M1 VOLTAGE —75 VOLTS
MAXIMUM PLATE DISSIPATION	5 W	ClassC MAXIMUM PLATE DISSIPATION 5 WATTS
MAXIMUM GRID *	2 W	ClassC MAXIMUM GRID *2 POWER INPUT 2 WATTS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MAXIMUM GRID M1 CURRENT	3 mA	ClassC MAXIMUM GRID M1 CURRENT 3 MA.
DC GRID NS VOLTAGE —LS —Z	4 V	Typical Operating Conditions DC GRID NS VOLTAGE —LS —Z4 VOLTS
PEAK RF GRID NS VOLTAGE Z	35 V	Typical Operating Conditions PEAK RF GRID NS VOLTAGE Z3 35 VOLTS
DC	1.2 mA	Typical Operating Conditions DC 6R ID ki CURRENT 1 1.2 MA.



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1968 Mazda Belvu

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

1968 MAZDA BELVU
Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	2.5 V	Nominal
HeaterCurrentNominal	460 mA	Nominal
Maximum Plate Voltage	150 V	—
Maximum Screen Voltage	150 V	—
Maximum Plate Dissipation	5 W	—
Maximum Screen Dissipation	2 W	—
Maximum Cathode Current	40 mA	—
Maximum Frequency	100 MHz	—