



ELECTRONIC TUBE REFERENCE

25L6G

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam-power output tube for low-voltage AC/DC audio amplifier service, intended to provide Class-A power output in transformerless receiving equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	25 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	10000 Ω
TRANSCONDUCTANCE	0.0082 S
AMPLIFICATION FACTOR	82
MAXIMUM PLATE VOLTAGE	110 V
MAXIMUM SCREEN VOLTAGE	110 V
<i>Electrical section reconstructed from published ratings/characteristics; promoted transconductance normalized to A/V.</i>	

Beam power output tube for AC/DC audio amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Raytheon Radio Receiving Tubes

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

1937 RAYTHEON RADIO RECEIVING TUBES

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	110 V	Published ratings
Maximum Screen Voltage	110 V	Published ratings
Plate Voltage	110 V	ClassA; Column1
Plate Voltage	110 V	ClassA; Column2
Screen Voltage	110 V	ClassA; Column1
Screen Voltage	110 V	ClassA; Column2
Grid Bias	-7.5 V	ClassA; Column1
Grid Bias	-7.5 V	ClassA; Column2
Signal Peak Voltage	7.5 V	ClassA; Column1
Signal Peak Voltage	7.6 V	ClassA; Column2
Amplification Factor	82	ClassA; Column1
Amplification Factor	82	ClassA; Column2
Plate Resistance {approx	10000 ohm	ClassA; Column1
Plate Resistance {approx	10000 ohm	ClassA; Column2
Transconductance	8200 uS	ClassA; Column1
Transconductance	8200 uS	ClassA; Column2
No-Signal Plate Current	49 mA	ClassA; Column1
No-Signal Plate Current	49 mA	ClassA; Column2
Maximum-Signal Plate Current	54 mA	ClassA; Column1
Maximum-Signal Plate Current	50 mA	ClassA; Column2
No-Signal Screen Current	4 mA	ClassA; Column1
No-Signal Screen Current	4 mA	ClassA; Column2

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum-Signal Screen Current	9 mA	ClassA; Column1
Maximum-Signal Screen Current	11 mA	ClassA; Column2
Load Resistance	1500 ohm	ClassA; Column1
Load Resistance	2000 ohm	ClassA; Column2
Total Harmonic Distortion	11 %	ClassA; Column1
Total Harmonic Distortion	10 %	ClassA; Column2
Second Harmonic Distortion	10 %	ClassA; Column1
Second Harmonic Distortion	3.5 %	ClassA; Column2
Third Harmonic Distortion	4 %	ClassA; Column1
Third Harmonic Distortion	8.5 %	ClassA; Column2
Power Output	2.1 W	ClassA; Column1
Power Output	2.2 W	ClassA; Column2
The voltage between heater and cathode should not exceed	90 V	ClassA



SOURCE OPERATING CONDITIONS

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Beam Power

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Audio power output	—

TUBE TINKER

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and their source documents.

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