



ELECTRONIC TUBE REFERENCE

32L7GT

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-RECTIFIER

Combination AC/DC receiver tube integrating a half-wave rectifier with a beam-power audio-output section, allowing power-supply rectification and loudspeaker amplification in one envelope.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8Z	BASE PINS	8
NOMINAL HEATER	32.5 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1250 V
NOMINAL OUTPUT CURRENT	60 mA
AC plate supply RMS 126 V.	

SECTION2 Beam Power	
PLATE RESISTANCE	15000 Ω
TRANSCONDUCTANCE	0.006 S
AMPLIFICATION FACTOR	90
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM SCREEN VOLTAGE	90 V
Class-A typical; alternate R_p 17k, gm 4.8mS.	

Combined tetrode and rectifier for A.C./D.C. receiver service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1939 Arcturus

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

1939 ARCTURUS

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC plate voltage	125 V	—
DC output current	60 mA	—

1939 ARCTURUS

Section 2 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	90 V	—
Screen-grid voltage	90 V	—
Control-grid voltage	-7 V	—
Plate current	27 mA	—
Screen-grid current	2 mA	—
Load resistance	2600 ohm	—
Power output	1 W	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current maximum	60 mA	HalfWave
RMS supply voltage maximum	125 V	HalfWave

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 2 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	90 V	ClassA
Screen voltage	90 V	ClassA
Control-grid voltage	-7 V	ClassA
Plate current	27 mA	ClassA
Screen current	2 mA	ClassA
Load resistance	2600 Ω	ClassA
Power output	1 W	ClassA
Plate voltage	90 V	ClassA
Screen voltage	90 V	ClassA
Control-grid voltage	-5 V	ClassA
Plate current	38 mA	ClassA
Screen current	3 mA	ClassA
Load resistance	2600 Ω	ClassA
Power output	0.8 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	17000 Ω	ClassA
Transconductance	4800 μS	ClassA
Plate resistance	15000 Ω	ClassA
Transconductance	6000 μS	ClassA



SOURCE DATA APPENDIX

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 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC Plate Voltage	125 V	Section1;Rectifier
DC Output Current	60 mA	Section1;Rectifier

1961 TUNG SOL

Section 2 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	15000 ohm	Section2;PlateVoltage=50V
Transconductance	6800 uS	Section2;PlateVoltage=50V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power Output	1 W	Section2;PlateVoltage=90V



SOURCE DATA APPENDIX

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 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC Plate Supply Voltage RMS	126 V	RectifierSection

1968 GENERAL ELECTRIC CO

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	90 V	ClassA
Screen Voltage	90 V	ClassA
Plate Current	38 mA	ClassA
Maximum-Signal Power Output	0.8 W	ClassA

TUBE TINKER

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and their source documents.

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