



ELECTRONIC TUBE REFERENCE

1J6G

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Directly heated twin triode intended for Class-B push-pull audio power amplification in battery receivers, with both triode units cooperating as the output stage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7AB	BASE PINS	8
NOMINAL HEATER	2 V / 240 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode

MAXIMUM PLATE VOLTAGE	135 V
MAXIMUM CATHODE CURRENT	50 mA

Representative row for two identical triodes. Reference/equivalence-style source states ratings/characteristics identical with type 19 except filament current and capacitances; external values not imported.

SECTION2 Triode

MAXIMUM PLATE VOLTAGE	135 V
MAXIMUM CATHODE CURRENT	50 mA

Identical second physical section; duplicated from representative section per physical-section-row policy.

1J6G is listed as a twin-triode power amplifier in the supplied receiving-tube handbook. It uses a 2.0 V, 0.24 A directly heated filament. The handbook publishes maximum ratings and representative operating characteristics for its intended 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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	135 V	Published ratings
Maximum Peak Plate Current (per plate)	50 mA	Published ratings
Plate Voltage	135 V	ClassB; Column1
Plate Voltage	135 V	ClassB; Column2
Plate Voltage	135 V	ClassB; Column3
No-Signal Plate Current (per plate)	0.5 mA	ClassB; Column1
No-Signal Plate Current (per plate)	2 mA	ClassB; Column2
No-Signal Plate Current (per plate)	5 mA	ClassB; Column3
Load Resistance (plate to plate)	10000 ohm	ClassB; Column1
Load Resistance (plate to plate)	10000 ohm	ClassB; Column2
Load Resistance (plate to plate)	10000 ohm	ClassB; Column3
Power Output {approximate	1.6 W	ClassB; Column1
Power Output {approximate	1.9 W	ClassB; Column2
Power Output {approximate	2 W	ClassB; Column3
Average Power Input (grid to grid)	0.095 W	ClassB; Column1
Average Power Input (grid to grid)	0.13 W	ClassB; Column2

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average Power Input (grid to grid)	0.17 W	ClassB; Column3



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1946 Amalgamated Wireless

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

1946 AMALGAMATED WIRELESS

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	2 V	Published nominal rating



SOURCE DATA APPENDIX

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	135 V	Published handbook rating
Plate voltage	135 V	ClassB PushPull TwoTubes
Control-grid voltage	0 V	ClassA
Plate current	5 mA	ClassA
Load resistance	10000 ohm	ClassB PushPull TwoTubes
Power output	2.1 W	ClassB PushPull TwoTubes

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	2 V	DirectlyHeated DC filament
Filament current	240 mA	DirectlyHeated DC filament

TUBE TINKER

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and their source documents.

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