

ELECTRONIC TUBE REFERENCE

4A6G

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE

Directly heated twin power triode designed for Class-B output service in battery-operated receivers, combining two triode sections in one envelope for economical push-pull audio power amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8L	BASE PINS	8
NOMINAL HEATER	4 V / 80 mA	PARALLEL HEATER	2 V / 120 mA
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	28000 Ω
TRANSCONDUCTANCE	0.0009 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	90 V
Representative repeated section; identical-section compression applied.	

Directly heated twin-triode Class-B power amplifier for the output stage of battery-operated receivers.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	4 V	Published nominal value
Heater or filament current	80 mA	Published nominal value
Transconductance	900 μ S	Published characteristic



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage Alternate	2 V	SeriesOrAlternateFilamentConnection
Heater Current Alternate	120 mA	SeriesOrAlternateFilamentConnection

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	90 V	ClassA;EachUnit
Grid Voltage	-1.5 V	ClassA;EachUnit
Plate Current	1.2 mA	ClassA;EachUnit

TUBE TINKER

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and their source documents.

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