



ELECTRONIC TUBE REFERENCE

6N7GT

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

GT-envelope dual triode designed for Class A or Class B amplifier service. Its identical sections can operate together in push-pull audio output, with published Class B conditions providing approximately 10 W.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8B	BASE PINS	8
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	11000 Ω
TRANSCONDUCTANCE	0.0032 S
AMPLIFICATION FACTOR	35
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	5.5 W
<i>Promoted from printed maximum-rating/characteristic columns; additional published operating points and capacitances retained as parameters.</i>	

SECTION2 Triode	
PLATE RESISTANCE	11000 Ω
TRANSCONDUCTANCE	0.0032 S
AMPLIFICATION FACTOR	35
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	5.5 W
<i>Second identical physical triode section; added to align physical rows with SectionCount.</i>	

GT-envelope double triode for Class A or Class B amplifier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1948 Brimar Radio Valve Manual

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

1948 BRIMAR RADIO VALVE MANUAL

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	800 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Brimar Radio Valve No 7

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

1958 BRIMAR RADIO VALVE NO 7

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power output Class B both sections	10 W	ClassB



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
Plate voltage	300 V	ClassB PushPull TwoTubes
Control-grid voltage	0 V	ClassB PushPull TwoTubes
Plate current	35 mA	ClassB PushPull TwoTubes
Load resistance	8000 Ω	ClassB PushPull TwoTubes
Power output	10 W	ClassB PushPull TwoTubes
Plate voltage	294 V	ClassA Parallel
Control-grid voltage	-6 V	ClassA Parallel
Plate current	7 mA	ClassA Parallel

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	11000 Ω	ClassA Parallel
Transconductance	3200 μS	ClassA Parallel
Amplification factor	35	ClassA Parallel

TUBE TINKER

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and their source documents.

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