



ELECTRONIC TUBE REFERENCE

1A5GT

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Low-drain directly heated battery power pentode providing approximately 115 mW Class-A audio output from about 90 V.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6X	BASE PINS	8
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	300000 Ω
TRANSCONDUCTANCE	0.00085 S
AMPLIFICATION FACTOR	255
MAXIMUM PLATE VOLTAGE	110 V
MAXIMUM SCREEN VOLTAGE	110 V
MAXIMUM CATHODE CURRENT	6 mA
<i>Power amplifier pentode.</i>	

The 1A5GT is a power amplifier pentode using a 1.4 V, 0.05 A filament. Published maximum ratings and Class A characteristics are preserved from the supplied table.



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 · Pentode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power output	0.117 W	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Pentode

CROSSREFERENCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Equivalent electrical characteristics	1A5G	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	90 V	—
Plate Current	4 mA	—
Screen Voltage	90 V	—
Screen Current	0.8 mA	—
Control Grid Voltage	-4.5 V	—
Optimum Load	25000 ohm	—
Power Output	0.115 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	300000 ohm	—
Transconductance	850 μS	—
Amplification Factor	255	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

195X General Electric Essential Characteristics

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195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	90 V	ClassA
Screen voltage	90 V	ClassA
Grid voltage	-4.5 V	ClassA
Plate current	4 mA	ClassA
Screen current	0.8 mA	ClassA
Load resistance	25000 ohm	ClassA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power output	0.115 W	ClassA
Plate voltage	85 V	ClassA
Screen voltage	85 V	ClassA
Grid voltage	-4.5 V	ClassA
Plate current	3.5 mA	ClassA
Screen current	0.7 mA	ClassA
Transconductance	800 uS	ClassA
Load resistance	25000 ohm	ClassA
Power output	0.1 W	ClassA



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1961 Tung Sol

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1961 TUNG SOL

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	90 V	ClassA
Load resistance	25000 ohm	ClassA
Power output	115 mW	ClassA

TUBE TINKER

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