

ELECTRONIC TUBE REFERENCE

6AM5

Power - Pentode Single (NOT beam) (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Miniature power pentode for single-ended or two-tube Class A audio-output service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6CH	BASE PINS	6
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	130000 Ω
TRANSCONDUCTANCE	0.0026 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	4 W
MAXIMUM SCREEN DISSIPATION	0.6 W
Promoted values from 6AM5.pdf; section type follows printed electrode/function description.	

Miniature power pentode for Class-A single-ended or two-valve audio output service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	50 V	Published nominal rating
Grid-to-plate capacitance	0.5 pF	Direct interelectrode capacitance
Input capacitance	4.2 pF	Direct interelectrode capacitance
Output capacitance	2 pF	Direct interelectrode capacitance



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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	ClassA
Plate Current	16 mA	OneTube
Plate Current	22 mA	TwoTubes
Screen Voltage	250 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2600 μ S	OneTube

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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	250 V	Published handbook rating
Maximum screen voltage	250 V	Published handbook rating
Plate voltage	250 V	ClassA
Screen voltage	250 V	ClassA
Control-grid bias	13.5 V	ClassA
Plate current	16 mA	ClassA
Screen current	2.4 mA	ClassA
Load resistance	16000 ohm	ClassA
Power output	1.4 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	130000 ohm	Published handbook characteristic
Transconductance	2600 μ S	Published handbook characteristic
Heater voltage	6.3 V	Published heater rating
Heater current	200 mA	Published heater rating

TUBE TINKER

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