

ELECTRONIC TUBE REFERENCE

6BJ5

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

High-transconductance audio power pentode capable of approximately 4 W single-ended Class A output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6CH	BASE PINS	7
NOMINAL HEATER	6.3 V / 640 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	40000 Ω
TRANSCONDUCTANCE	0.0105 S
MAXIMUM PLATE VOLTAGE	350 V
MAXIMUM SCREEN VOLTAGE	275 V
Promoted values from 6BJ5.pdf; section type follows printed electrode/function description.	

Power pentode.

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
Plate voltage	250 V	ClassA; OperatingPoint1
Screen voltage	250 V	ClassA; OperatingPoint1
Control-grid bias	5 V	ClassA; OperatingPoint1
Plate current	35 mA	ClassA; OperatingPoint1
Screen current	5.5 mA	ClassA; OperatingPoint1
Plate resistance	40000 ohm	ClassA; OperatingPoint1
Transconductance	10500 uS	ClassA; OperatingPoint1
Load resistance	7000 ohm	ClassA; OperatingPoint1
Power output	4 W	ClassA; OperatingPoint1

TUBE TINKER

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and their source documents.

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