



ELECTRONIC TUBE REFERENCE

6391

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Subminiature low-microphony voltage-amplifier pentode. Designed for sensitive signal stages where vibration-induced noise must be minimized, it combines compact construction with reduced microphonic response for dependable voltage amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6391	BASE PINS	8
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	180000 Ω
TRANSCONDUCTANCE	0.003 S
MAXIMUM PLATE VOLTAGE	175 V
MAXIMUM SCREEN VOLTAGE	175 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM SCREEN DISSIPATION	0.4 W
MAXIMUM CATHODE CURRENT	10 mA
<i>Promoted from clearly identified printed ratings/characteristics; additional published operating points and capacitances retained in TUBE_SECTION_PARAMETER.</i>	

Subminiature low-microphony voltage-amplifier 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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	4 pF	Section1
Output capacitance	5 pF	Section1
Grid-to-plate capacitance	0.15 pF	Section1

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	ClassA
Screen voltage	100 V	ClassA
Control-grid voltage	-1.4 V	ClassA
Plate current	7 mA	ClassA
Screen current	2.2 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	180000 Ω	ClassA
Transconductance	3000 μS	ClassA

1963 Mullard

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

1963 MULLARD

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	6.3 V	—
HeaterOrFilamentCurrent	200 mA	—
Plate Voltage	100 V	—
Screen Voltage	100 V	—
Grid Voltage	-1.4 V	—
Plate Current	7 mA	—
Screen Current	2.2 mA	—
Transconductance	3000 uS	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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