

ELECTRONIC TUBE REFERENCE

7056

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Sharp-cutoff pentode designed for RF, IF, wide-band, or high-frequency voltage-amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	13.5 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	600000 Ω
TRANSCONDUCTANCE	0.0062 S
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM SCREEN VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.6 W
MAXIMUM CATHODE CURRENT	20 mA
Published RCA ratings and characteristics promoted where applicable; additional application and operating data retained as parameters.	

Sharp-cutoff high-frequency pentode for wide-band communications amplifiers.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	13.5 V	—
Heater Current	150 mA	—



SOURCE OPERATING CONDITIONS

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1960 RCA Industrial and Communications Types

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

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Pentode

CROSSREFERENCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Prototype / equivalent family	6CB6	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cutoff characteristic	Sharp cutoff	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum useful frequency	45 MHz	—

SOURCE OPERATING CONDITIONS

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1965 Sylvania Electronic Tubes Vol3

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

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	13.5 V	—
Heater Current	150 mA	—
Heater Voltage Minimum	12 V	—
Heater Voltage Maximum	15 V	—
GridToPlateCapacitanceMaximum	0.02 pF	—
Input Capacitance	6.5 pF	—
Output Capacitance	2 pF	—
Plate Voltage	125 V	—
Screen Voltage	125 V	—
Cathode Bias Resistance	56 ohm	—
Plate Current	13 mA	—
Screen Current	3.7 mA	—
Plate Resistance	280000 ohm	—
Transconductance	8000 uS	—
GridCutoffBias	-6.5 V	—

SOURCE OPERATING CONDITIONS

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1971 RCA HB3 Binder 3 of 7

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

1971 RCA HB3 BINDER 3 OF 7

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	13.5 V	—
Heater current	150 mA	—
Plate-supply voltage	200 V	ClassA
Screen-supply voltage	150 V	ClassA
Cathode resistor	180 ohm	ClassA
Plate current	9.5 mA	ClassA
Screen current	2.8 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	600000 ohm	ClassA
Transconductance	6200 uS	ClassA

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	0.01 pF	WithExternalShield
Input capacitance	6.5 pF	—

TUBE TINKER

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and their source documents.

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