



ELECTRONIC TUBE REFERENCE

5618

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Quick-heating center-tapped-filament power pentode for audio power amplification where rapid warm-up is required.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6 V / 200 mA	PARALLEL HEATER	3 V / 400 mA
HEATING	Direct	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.0035 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	125 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM SCREEN DISSIPATION	2 W
<i>VHF power pentode</i>	

Quick-heating center-tapped filament power pentode for audio power-amplifier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 RCA Transmitting Tubes

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

1956 RCA TRANSMITTING TUBES

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	6 V	—
HeaterOrFilamentCurrent	200 mA	—
SeriesFilamentArrangement	1 boolean	CenterTappedFilament



SOURCE OPERATING CONDITIONS

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1960 RCA Industrial and Communications Types

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1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Pentode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	VHF RF amplifier / oscillator / frequency multiplier	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum full-rating frequency	100 MHz	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Off-to-on heating time	1 s	—


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1971 RCA HB3 Binder 6 of 7

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1971 RCA HB3 BINDER 6 OF 7

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Voltage	300 V	VHF power pentode
Maximum DC Screen Voltage	125 V	VHF power pentode
Plate Dissipation	5 W	VHF power pentode
Screen Input	2 W	VHF power pentode
Typical DC Plate Voltage	250 V	VHF power pentode
Typical DC Screen Voltage	75 V	VHF power pentode
Maximum-Signal Power Output	1.4 W	VHF power pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	3500 μS	VHF power pentode
Grid-No.1 to Plate Capacitance	0.24 pF	VHF power pentode
Input Capacitance	7 pF	VHF power pentode
Output Capacitance	5 pF	VHF power pentode