



ELECTRONIC TUBE REFERENCE

6267

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

High-gain low-noise pentode designed for audio preamplifier and input stages. Amperex documentation emphasizes minimizing hum, noise, and microphony, making sensitive low-level audio voltage amplification its defining application.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
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	2500000 Ω
TRANSCONDUCTANCE	0.002 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM SCREEN DISSIPATION	0.2 W
MAXIMUM CATHODE CURRENT	6 mA
<i>High-gain low-noise pentode; promoted from 250 V characteristic point.</i>	

High-gain low-noise pentode for audio preamplifier and input stages where hum, noise, and microphony must be minimized.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 Amperex Hi Fi Brochure

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

1956 AMPEREX HI FI BROCHURE

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	—
Screen Voltage	140 V	—
Plate Current	3 mA	—
Screen Current	0.6 mA	—
Control Grid Voltage	-2 V	—
Transconductance	2000 μ S	—
Equivalent Input Noise Voltage	2 μ V	Bandwidth=25-10000Hz

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Grid Resistance	3000000 ohm	PlateDissipation>0.2W
Maximum Grid Resistance	10000000 ohm	PlateDissipation<0.2W
Maximum Filament-to-Cathode Voltage	100 V	Cathode positive



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Amperex Industrial

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

1958 AMPEREX INDUSTRIAL

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	VoltageAmplifier
Screen voltage	140 V	VoltageAmplifier
Grid voltage	-2 V	VoltageAmplifier
Plate current	3 mA	VoltageAmplifier
Screen current	0.6 mA	VoltageAmplifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	2500000 ohm	—
Transconductance	2000 μ S	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	AudioPreamplifier
Screen voltage	140 V	AudioPreamplifier
Control-grid voltage	-2 V	AudioPreamplifier
Plate current	3 mA	AudioPreamplifier
Screen current	0.6 mA	AudioPreamplifier
Application	Low-hum low-noise low-microphony preamplifier/input stage	Section1

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	2.5 M Ω	Section1

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2000 μ S	Section1

TUBE TINKER

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