



ELECTRONIC TUBE REFERENCE

5911

Voltage - Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Radiation-cooled directly heated miniature voltage-amplifier pentode, co-designated with 6008 in manufacturer literature. It is intended for compact signal-amplifier service using a filamentary cathode rather than conventional indirectly heated construction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	0.625 V / 13.3 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	400000 Ω
TRANSCONDUCTANCE	0.00005 S
MAXIMUM PLATE VOLTAGE	45 V
MAXIMUM PLATE DISSIPATION	0.0015 W
<i>Electrical values extracted from the supplied source table; typical operating values are preserved in TUBE_SECTION_PARAMETER.</i>	

5911 is a Pentode device. Radiation-cooled directly heated miniature voltage-amplifier pentode; source co-designates 6008/5911.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	0.2 pF	—
Output capacitance	1.5 pF	—
Plate resistance	0.4 MOhm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	45 V	—
Maximum plate dissipation	1.5 mW	—
Control-grid voltage	-0.2 V	—
Screen-grid voltage	45 V	—
Plate current	50 uA	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	0.2 pF	—
Input capacitance	1.5 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	45 V	—
Grid voltage	-0.2 V	—
Screen voltage	45 V	—
Output power	2.25 mW	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	50 μ S	—
Plate resistance	0.4 M Ω	—

TUBE TINKER

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and their source documents.

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