



ELECTRONIC TUBE REFERENCE

7694

Voltage Pentode - Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Premium variable-slope high-frequency pentode for mobile and industrial applications. Designed as a shock- and vibration-resistant replacement for 6BJ6/6662, it combines controlled gain with rugged professional construction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	1000000 Ω
TRANSCONDUCTANCE	0.0036 S
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	3.3 W
MAXIMUM CATHODE CURRENT	17 mA
<i>Published ratings/characteristics promoted from the source; representative section used for repeated identical systems where applicable.</i>	

7694 is a Pentode device in the supplied Amperex literature. Premium variable-slope HF pentode for mobile and industrial applications; shock- and vibration-resistant premium replacement for 6BJ6/6662.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 Amperex

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

1953 AMPEREX

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	1000000 ohm	—
Transconductance	3800 μ S	—
Amplification Factor	25	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	330 V	—
Maximum Plate Dissipation	3.3 W	—
Maximum Cathode Current	17 mA	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	—
Plate current	9.2 mA	—
Screen voltage	100 V	—
Screen current	3.3 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	1 MΩ	—
Grid voltage	-20 V	Approximate variable-μ operating point

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	4.5 pF	—
Output capacitance	5.2 pF	—
Grid-to-plate capacitance	0.0035 pF	—