



ELECTRONIC TUBE REFERENCE

7788

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Premium-quality high-transconductance pentode specified for a 10,000-hour service life. Amperex documentation emphasizes extended professional reliability together with substantial transconductance for demanding signal-amplifier applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 340 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.05 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	50 mA
Premium-quality 10,000-hour high-transconductance pentode.	

7788 is a Pentode device in the supplied Amperex literature. Premium-quality 10,000-hour high-transconductance pentode.

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
Input capacitance	16.5 pF	—
Output capacitance	3.3 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode resistor	360 ohm	—
Anode current	35 mA	—
Screen current	5 mA	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	50000 μ S	—
Amplification factor	60	—

TUBE TINKER

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and their source documents.

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