



ELECTRONIC TUBE REFERENCE

8608

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Premium frame-grid power pentode for professional wideband video, pulse, and instrumentation amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E9-23	BASE PINS	9
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.045 S
AMPLIFICATION FACTOR	30
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM SCREEN DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	75 mA
Premium-quality frame-grid power pentode for wideband video amplification.	

The Amperex 8608 is a premium-quality power pentode with 10 W plate dissipation and very high transconductance, intended particularly for wideband video-amplifier service with low output capacitance.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	6.3 V	Published datasheet value
Heater/Filament Current	600 mA	Published datasheet value
Maximum Plate/Anode Voltage	150 V	Published datasheet value
Maximum Plate/Anode Dissipation	10 W	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	45000 μ S	Published datasheet value
Amplification Factor	30	Published datasheet value