

ELECTRONIC TUBE REFERENCE

6AD7G

Voltage Triode Pentode electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
PENTODE-TRIODE

Triode plus power-amplifier pentode intended for Class-A amplification and output service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8AY	BASE PINS	8
NOMINAL HEATER	6.3 V / 850 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	19000 Ω
TRANSCONDUCTANCE	0.000325 S
AMPLIFICATION FACTOR	6
MAXIMUM PLATE VOLTAGE	285 V
Triode section.	
SECTION2 Pentode	
PLATE RESISTANCE	80000 Ω
TRANSCONDUCTANCE	0.0025 S
MAXIMUM PLATE VOLTAGE	375 V
MAXIMUM SCREEN VOLTAGE	285 V
Power-amplifier pentode section.	

Triode plus power-amplifier pentode intended for Class A amplification.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Grid voltage	-25 V	ClassA
Plate current	3.7 mA	ClassA

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 2 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Screen-grid voltage	250 V	ClassA
Grid voltage	-16.5 V	ClassA
Plate current	34 mA	ClassA
Screen-grid current	6.5 mA	ClassA
Load resistance	7000 ohm	ClassA
Power output	3.2 W	ClassA