



ELECTRONIC TUBE REFERENCE

6AD10A

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-PENTODE

Dual-pentode television tube combining a sharp-cutoff FM detector section with a separate audio power-output pentode.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E12-70	BASE PINS	12
NOMINAL HEATER	6.3 V / 1.05 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	100000 Ω
TRANSCONDUCTANCE	0.0065 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	12 W
MAXIMUM SCREEN DISSIPATION	2.5 W
<i>Power pentode section; audio-frequency output amplifier.</i>	

SECTION2 Pentode	
PLATE RESISTANCE	110000 Ω
TRANSCONDUCTANCE	0.0025 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN DISSIPATION	1 W
<i>Sharp-cutoff dual-control pentode section; FM detector. Grid-3 transconductance 850 μS retained as parameter.</i>	

The 6AD10-A contains a sharp-cutoff dual-control pentode for FM detector service and a power pentode for audio-frequency output amplification in color television receivers.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltageNominal	6.3 V	—
HeaterOrFilamentCurrentNominal	1.05 A	—
Maximum Plate Voltage	300 V	—
Maximum Screen Voltage	300 V	—
Maximum Plate Dissipation	12 W	—
Maximum Screen Dissipation	2.5 W	—
Typical Plate Voltage	250 V	ClassA
Typical Screen Voltage	250 V	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	100000 Ohm	—
Transconductance	6500 uS	—

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Section 2 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	110000 Ohm	—
Transconductance	2500 uS	—
Grid3 Transconductance	850 uS	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	300 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Screen Dissipation	1 W	—