



ELECTRONIC TUBE REFERENCE

6AH9

Voltage - Triode Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TRIODE

Compactron frame-grid sharp-cutoff video pentode plus medium-mu triode for color-television video and blanking applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E12-70	BASE PINS	12
NOMINAL HEATER	6.3 V / 900 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	55000 Ω
TRANSCONDUCTANCE	0.021 S
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM SCREEN DISSIPATION	1 W
Sharp-cutoff frame-grid video pentode.	

SECTION2 Triode	
PLATE RESISTANCE	7500 Ω
TRANSCONDUCTANCE	0.00267 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2 W
<i>Medium-mu triode; color blanker/general-purpose service.</i>	

The 6AH9 contains a sharp-cutoff frame-grid pentode primarily for video amplifier service and a medium-mu triode for color-blanker or general-purpose applications 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.

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Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltageNominal	6.3 V	—
HeaterOrFilamentCurrentNominal	900 mA	—
Maximum Plate Voltage	400 V	—
Maximum Screen Voltage	330 V	—
Maximum Plate Dissipation	10 W	—
Maximum Screen Dissipation	1 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	55000 Ohm	—
Transconductance	21000 uS	—

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Section 2 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	7500 Ohm	—
Transconductance	2670 uS	—
Amplification Factor	20	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	330 V	—
Maximum Plate Dissipation	2 W	—

TUBE TINKER

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and their source documents.

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