

ELECTRONIC TUBE REFERENCE

6AG11

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL DATA
4 SECTIONS
CONSTRUCTION

DIODE-DIODE-TRIODE-TRIODE

Compactron containing two high-mu triodes and two diodes, designed primarily for FM stereo multiplex decoding and associated audio-frequency circuitry.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E12-70	BASE PINS	12
NOMINAL HEATER	6.3 V / 750 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	8500 Ω
TRANSCONDUCTANCE	0.0078 S
AMPLIFICATION FACTOR	66
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2 W
Representative of both identical triode sections.	

SECTION2 Triode	
No fixed ratings recorded.	
Second physical triode section added in approved reconciliation.	

SECTION3 Diode	
MAXIMUM CATHODE CURRENT	5 mA
<i>Representative of both identical diode sections; continuous diode current 5 mA.</i>	

SECTION4 Diode	
<i>No fixed ratings recorded.</i>	
<i>Second physical diode section added in approved reconciliation.</i>	

The 6AG11 is a Compactron containing two high-mu triodes and two diodes, primarily designed for FM stereo multiplex service.

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltageNominal	6.3 V	—
HeaterOrFilamentCurrentNominal	750 mA	—
Maximum Plate Voltage	330 V	—
Maximum Plate Dissipation	2 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	8500 Ohm	—
Transconductance	7800 uS	—
Amplification Factor	66	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid To Plate Capacitance	1.8 pF	—
Input Capacitance	3.8 pF	—
Output Capacitance	0.24 pF	—

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Section 3 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Cathode Current	5 mA	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate To Cathode And Heater Capacitance	2.2 pF	—