

ELECTRONIC TUBE REFERENCE

6AC10

Voltage - Triple Triode electronic tube

CONSOLIDATED TECHNICAL DATA
3 SECTIONS
CONSTRUCTION
TRIODE-TRIODE-TRIODE

High-mu triple triode used in matrixing color-difference circuits of color television receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E12-70	BASE PINS	12
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	10700 Ω
TRANSCONDUCTANCE	0.0058 S
AMPLIFICATION FACTOR	62
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2 W
Representative specification for all three identical triode sections.	

SECTION2 Triode	
PLATE RESISTANCE	10700 Ω
TRANSCONDUCTANCE	0.0058 S
AMPLIFICATION FACTOR	62
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2 W
<i>Second identical physical triode section; added to align rows with SectionCount.</i>	

SECTION3 Triode	
PLATE RESISTANCE	10700 Ω
TRANSCONDUCTANCE	0.0058 S
AMPLIFICATION FACTOR	62
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2 W
<i>Third identical physical triode section; added to align rows with SectionCount.</i>	

High-mu triple triode used in matrixing color-difference circuits of 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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltageNominal	6.3 V	—
HeaterOrFilamentCurrentNominal	600 mA	—
Maximum Plate Voltage	330 V	—
Maximum Plate Dissipation	2 W	—
Typical Plate Voltage	200 V	EachSection
Typical Plate Current	9 mA	EachSection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	10700 Ohm	—
Transconductance	5800 uS	—
Amplification Factor	62	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GridToPlateCapacitanceSection1	1.3 pF	—
Input Capacitance Section1	2.4 pF	—
Output Capacitance Section1	0.22 pF	—



1975 RCA RC30

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

1975 RCA RC30
Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	1530 V	Published in approved 8AC10 target datasheet entry; Section1
Plate Dissipation	2 W	Published in approved 8AC10 target datasheet entry; Section1
Plate Voltage	200 V	Published in approved 8AC10 target datasheet entry; Section1
Cathode-Bias Resistor	160 Ω	Published in approved 8AC10 target datasheet entry; Section1
Plate Resistance (Approx.)	10700 Ω	Published in approved 8AC10 target datasheet entry; Section1
Transconductance	5800 μS	Published in approved 8AC10 target datasheet entry; Section1
Plate Current	9 mA	Published in approved 8AC10 target datasheet entry; Section1
Grid Voltage (approx.) for plate current of 100 /iA	-5 V	Published in approved 8AC10 target datasheet entry; Section1
Grid-Circuit Resistance	0.5 MΩ	Published in approved 8AC10 target datasheet entry; Section1

TUBE TINKER

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