

ELECTRONIC TUBE REFERENCE

6K11

Voltage - Triple Triode electronic tube

CONSOLIDATED TECHNICAL DATA
3 SECTIONS
CONSTRUCTION
TRIODE-TRIODE-TRIODE

Three-unit triode with one medium-mu and two high-mu sections for multi-stage amplifier and signal-processing service.

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	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	62500 Ω
TRANSCONDUCTANCE	0.0022 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	20 mA
Representative row for two high-mu triodes.	

SECTION2 Triode	
PLATE RESISTANCE	7700 Ω
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	17
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2.75 W
<i>Medium-mu triode.</i>	

SECTION3 Triode	
PLATE RESISTANCE	62500 Ω
TRANSCONDUCTANCE	0.0022 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Third physical triode section; repeated high-mu section represented explicitly under current section-row policy.</i>	

6K11 is a /6q11 three-unit triode ~^ with medium-mu unit and two high-mu units duodecar type
 electrical: heater characteristics and ratings: voltage (ac or dc) 6.3° 6.3 ± 0.6 volts current 0.600 ± 0.0.



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
Plate Current	1.2 mA	—



SOURCE OPERATING CONDITIONS

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1971 RCA HB3 Binder 5 of 7

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

1971 RCA HB3 BINDER 5 OF 7

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Current	600 mA	Published table value column 1
Current	40 mA	Published table value column 2
Current	600 mA	Published table value column 3
Warm-up time (Average)	11 s	Published table value
respect to cathode	200 V	Published table value
Grid to plate	13 pF	Published table value column 1
Grid to plate	1.3 pF	Published table value column 2
Grid to plate	1.3 pF	Published table value column 3
Input: G to (K, IS, H)	19 K	Published table value column 1
Input: G to (K, IS, H)	1.8 K	Published table value column 2
Input: G to (K, IS, H)	1.8 K	Published table value column 3

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output: P to (K, IS,HJ	18 K	Published table value column 1
Output: P to (K, IS,HJ	0.7 K	Published table value column 2
Output: P to (K, IS,HJ	1.8 K	Published table value column 3
Plate Voltage	250 V	Published table value column 1
Plate Voltage	250 V	Published table value column 2
Grid Voltage	-8 V	Published table value column 1
Grid Voltage	5 V	Published table value column 2
Grid Voltage	-2 V	Published table value column 3
Plate Current	10.5 mA	Published table value column 1
Plate Current	1.2 mA	Published table value column 2
plate μ_a =	10 V	Published table value column 1
plate μ_a =	-24 V	Published table value column 2
Plate Voltage	330 V	Published table value column 1
Plate Voltage	330 V	Published table value column 2
Cathode Current	20 mA	Published table value
Plate Dissipation	2 W	Published table value column 1
Plate Dissipation	75 W	Published table value column 2
Plate Dissipation	0.3 W	Published table value column 3

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance (Approx.)	7700 Ω	Published table value column 1
Plate Resistance (Approx.)	62500 Ω	Published table value column 2
Transconductance	2200 μS	Published table value column 1
Transconductance	1600 μS	Published table value column 2

TUBE TINKER

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