



ELECTRONIC TUBE REFERENCE

6BK11

Voltage - Triple Triode electronic tube

CONSOLIDATED TECHNICAL DATA

3 SECTIONS

CONSTRUCTION

TRIODE-TRIODE-TRIODE

Compactron containing one medium-high-mu triode and two high-mu triodes for multi-stage amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	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	45000 Ω
TRANSCONDUCTANCE	0.00155 S
AMPLIFICATION FACTOR	70
Published ratings/characteristics promoted from supplied source; additional conditions retained in parameter table.	

SECTION2 Triode	
PLATE RESISTANCE	62500 Ω
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	100
Published ratings/characteristics promoted from supplied source; additional conditions retained in parameter table.	

SECTION3 Triode	
PLATE RESISTANCE	62500 Ω
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	100
<i>Published ratings/characteristics promoted from supplied source; additional conditions retained in parameter table.</i>	

Compactron containing one medium-high-mu triode and two high-mu triodes.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	600 mA	—
Plate Resistance	45000 ohm	—
Transconductance	1550 uS	—
Amplification Factor	70	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	ClassA
Grid Voltage	-2.5 V	ClassA
Plate Current	1.6 mA	ClassA

1964 RMA EIA

Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	ClassA
Grid Voltage	-2 V	ClassA
Plate Current	1.2 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	62500 ohm	—
Transconductance	1600 uS	—
Amplification Factor	100	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	ClassA
Grid Voltage	-2 V	ClassA
Plate Current	1.2 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	62500 ohm	—
Transconductance	1600 uS	—
Amplification Factor	100	—

TUBE TINKER

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