



ELECTRONIC TUBE REFERENCE

6BV8

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

CONSOLIDATED TECHNICAL
DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-TRIODE

Duplex-diode medium-mu triode designed for synchronous detection, chrominance amplification, FM detection, and audio-frequency voltage amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
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	5900 Ω
TRANSCONDUCTANCE	0.0056 S
AMPLIFICATION FACTOR	33
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2.7 W
<i>Duplex-diode medium-mu triode for synchronous detector/chrominance amplifier, FM detector, and AF voltage-amplifier service.</i>	

SECTION2 Diode	
<i>No fixed ratings recorded.</i>	
<i>Diode 1.</i>	

SECTION3 Diode

No fixed ratings recorded.

Diode 2.

6BV8 is a DualDiodeTriode device. Duplex-diode medium-mu triode for synchronous detector/chrominance amplifier, FM detector, and AF voltage-amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	200 V	Published operating/characteristic table
Grid Voltage	0 V	Published operating/characteristic table

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	11 mA	Published operating/characteristic table
Transconductance	5600 μ S	Published operating/characteristic table
Plate Resistance	5900 ohm	Published operating/characteristic table

1961 TUNG SOL

Section 2 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	200 V	Published operating/characteristic table
Grid Voltage	0 V	Published operating/characteristic table

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	11 mA	Published operating/characteristic table
Transconductance	5600 μ S	Published operating/characteristic table
Plate Resistance	5900 ohm	Published operating/characteristic table

1966 Tung Sol Electronic Tubes 1 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 1 OF 4

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Triode grid-to-plate capacitance	2 pF	—
Triode input capacitance	3.6 pF	—
Triode output capacitance	0.4 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	200 V	TriodeSection
Plate current	11 mA	TriodeSection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	33	—
Plate resistance	5.9 kOhm	—

1966 TUNG SOL ELECTRONIC TUBES 1 OF 4

Section 2 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum continuous diode current	—10 mA	Diode1

1966 TUNG SOL ELECTRONIC TUBES 1 OF 4

Section 3 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum continuous diode current	—10 mA	Diode2

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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1968 GENERAL ELECTRIC CO

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Plate Voltage	200 V	—

1968 GENERAL ELECTRIC CO

Section 2 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Continuous Diode Current	10 mA	Section2

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average Diode Current At5 V	23 mA	Section2

1968 GENERAL ELECTRIC CO

Section 3 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Continuous Diode Current	10 mA	Section3

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average Diode Current At5 V	23 mA	Section3