

ELECTRONIC TUBE REFERENCE

6BX7GT

Power - TV Vertical Output electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

Dual triode intended for television vertical-deflection service, combining oscillator/driver and power-output functions where applicable. Manufacturer data emphasize vertical-sweep operation, pulse-voltage capability, and the stronger section's current and dissipation requirements.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8BD	BASE PINS	8
NOMINAL HEATER	6.3 V / 1.5 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

8BD - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – 2G1	B	G1 – Control Grid	CONNECTED
PIN2 – 2P	B	P – Plate (Anode)	CONNECTED
PIN3 – 2K	B	K – Cathode	CONNECTED
PIN4 – 1G1	A	G1 – Control Grid	CONNECTED
PIN5 – 1P	A	P – Plate (Anode)	CONNECTED
PIN6 – 1K	A	K – Cathode	CONNECTED
PIN7 – H	–	H – Heater	CONNECTED
PIN8 – H	–	H – Heater	CONNECTED

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	1300 Ω
TRANSCONDUCTANCE	0.0075 S
AMPLIFICATION FACTOR	10
MAXIMUM PLATE VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM CATHODE CURRENT	60 mA
<i>Each section; representative row.</i>	

SECTION2 Triode	
PLATE RESISTANCE	1300 Ω
TRANSCONDUCTANCE	0.0075 S
AMPLIFICATION FACTOR	10
MAXIMUM PLATE VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM CATHODE CURRENT	60 mA
<i>Identical second physical Triode section; duplicated from representative section per physical-section-row policy.</i>	

6BX7GT is a DualTriode device. High-perveance twin triode for vertical-deflection amplifier and oscillator service in television receivers.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	500 V	Published handbook rating
Plate voltage	250 V	ClassA
Plate current	42 mA	ClassA
Maximum positive pulse plate voltage	2000 V	VerticalDeflection
Maximum plate dissipation	12 W	VerticalDeflection
Maximum DC cathode current	60 mA	VerticalDeflection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published heater rating
Heater current	1.5 A	Published heater rating



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	250 V	Published operating/characteristic table
Grid Voltage	40 V	Published operating/characteristic table
Cathode Resistor	390 ohm	Published operating/characteristic table

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	42 mA	Published operating/characteristic table
Transconductance	7600 uS	Published operating/characteristic table
Amplification Factor	10	Published operating/characteristic table
Plate Resistance	1300 ohm	Published operating/characteristic table



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	EachUnit
Plate current	42 mA	EachUnit

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	7700 uS	EachUnit
Amplification factor	10	EachUnit
Plate resistance	1.3 kOhm	EachUnit

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
Peak Positive Pulse Plate Voltage	2000 V	AbsoluteMaximum
TotalPlateDissipationBothPlates	12 W	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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