

ELECTRONIC TUBE REFERENCE

6BX8

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Twin triode designed for low-voltage VHF cascode-amplifier service, providing RF gain in television and related high-frequency receiving equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0067 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	20 mA
Representative specification for repeated identical sections.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0067 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Second identical physical triode section; added to align rows with SectionCount.</i>	

6BX8 is a DualTriode device. Twin triode for low-voltage VHF cascode amplifier service; electrically related to 4BX8 except for heater ratings and warm-up time.



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	66 V	Published operating/characteristic table
Grid Voltage	-1 V	Published operating/characteristic table

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	9 mA	Published operating/characteristic table
Transconductance	6700 μ S	Published operating/characteristic table
Amplification Factor	25	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	65 V	EachUnit; Cascode
Plate current	9 mA	EachUnit; Cascode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	25	EachUnit
Transconductance	6700 uS	EachUnit

TUBE TINKER

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