



ELECTRONIC TUBE REFERENCE

6AM4

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-frequency triode for UHF/VHF amplification, mixing, or oscillator service in television, FM, communications, or specialized RF equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	98X	BASE PINS	9
NOMINAL HEATER	6.3 V / 225 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	8700 Ω
TRANSCONDUCTANCE	0.0098 S
AMPLIFICATION FACTOR	85
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM HEATER-CATHODE VOLTAGE	80 V
<i>Promoted from published ratings/characteristics; identical repeated sections compressed where applicable.</i>	

High-mu triode for grounded-grid mixer service across VHF/UHF television frequencies.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Brimar Radio Valve No 7

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

1958 BRIMAR RADIO VALVE NO 7

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Range Minimum	470 MHz	GroundedGrid
Frequency Range Maximum	890 MHz	GroundedGrid
Transconductance	9800 μ S	—
Plate Resistance	8700 ohm	—
Amplification Factor	85	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	200 V	—
Plate Current	10 mA	—



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	200 V	Published handbook rating

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	200 V	ClassA
Plate current	10 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	8700 ohm	Published handbook characteristic
Transconductance	9800 μ S	Published handbook characteristic
Amplification factor	85	Published handbook characteristic
Heater voltage	6.3 V	Published heater rating
Heater current	225 mA	Published heater rating



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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate-to-cathode capacitance	0.16 pF	Section1
Cathode-to-grid/heater capacitance	4.6 pF	Section1
Plate-to-grid/heater capacitance	2.8 pF	Section1
Heater-to-cathode capacitance	1.8 pF	Section1

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	200 V	GroundedGridMixer
Cathode-bias resistor	200 Ω	GroundedGridMixer
Application	Grounded-grid mixer over VHF/UHF television range Section1	

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	8700 Ω	Section1
Transconductance	9800 μS	Section1