

ELECTRONIC TUBE REFERENCE

2AF4A

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Miniature UHF triode for television-tuner oscillator and amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E7-1	BASE PINS	7
NOMINAL HEATER	2.35 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2100 Ω
TRANSCONDUCTANCE	0.0065 S
AMPLIFICATION FACTOR	14
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM CATHODE CURRENT	24 mA
PEAK INVERSE VOLTAGE	0.022 V
Reference/heater-variant sheet; no unprinted electrical ratings were imported from the referenced 6-series datasheet.	

Miniature UHF triode (2AF4A) for television tuner oscillator and amplifier service.



SOURCE OPERATING CONDITIONS

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
Heater Warmup Time	11 s	—
Plate Voltage	80 V	ClassA

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid To Plate Capacitance	1.3 pF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Westinghouse Data Book

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

1965 WESTINGHOUSE DATA BOOK

Section 1 · Triode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	2.35 V	—
Heater Current	600 mA	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	150 V	UHF Oscillator
Typical Plate Supply Voltage	100 V	UHF Oscillator; 1000MHz

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Operating Frequency	1000 MHz	UHF Oscillator
Maximum Heater-Cathode Voltage	50 V	TotalDCPlusPeak



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	150 V	UHF Oscillator
Plate current	20 mA	UHF Oscillator
Application	UHF television oscillator/amplifier	Section1

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	2100 Ω	Section1
Transconductance	6500 μS	Section1
Amplification factor	14	Section1