

ELECTRONIC TUBE REFERENCE

6T4

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Miniature low-mu UHF triode for high-frequency amplifier and frequency-converter service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7DK	BASE PINS	7
NOMINAL HEATER	6.3 V / 225 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

7DK - TERMINAL PINOUT

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

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	1860 Ω
TRANSCONDUCTANCE	0.007 S
AMPLIFICATION FACTOR	13
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	3.5 W
<i>UHF oscillator triode.</i>	

Miniature low-mu UHF triode for high-frequency amplifier and converter service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Triode

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Primary frequency class	UHF	—



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

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	2.6 pF	—
Output capacitance	0.4 pF	—
Grid-plate capacitance	1.7 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	80 V	ClassA
Cathode resistor	150 ohm	ClassA

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	1860 ohm	ClassA
Transconductance	7000 uS	ClassA
Amplification factor	13	ClassA

TUBE TINKER

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and their source documents.

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