

ELECTRONIC TUBE REFERENCE

5844

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

Miniature medium-mu twin triode specifically designed for moderately high-speed electronic-computer switching and amplifier service, with characteristics suited to digital logic and control circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7BF	BASE PINS	7
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

7BF - TERMINAL PINOUT

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

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	7950 Ω
TRANSCONDUCTANCE	0.0034 S
AMPLIFICATION FACTOR	27
MAXIMUM PLATE VOLTAGE	175 V
MAXIMUM PLATE DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	9 mA
<i>Promoted from clearly identified printed ratings/characteristics; additional published operating points, capacitances, and specialized ratings retained in TUBE_SECTION_PARAMETER.</i>	

SECTION2 Triode	
PLATE RESISTANCE	7950 Ω
TRANSCONDUCTANCE	0.0034 S
AMPLIFICATION FACTOR	27
MAXIMUM PLATE VOLTAGE	175 V
MAXIMUM PLATE DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	9 mA
<i>Second physical triode restored under current one-row-per-physical-section policy.</i>	

Miniature medium-mu twin triode designed for moderately high-speed electronic computer switching and amplifier 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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	7950 ohm	—
Transconductance	3400 μ S	—
Amplification Factor	27	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	175 V	—
Maximum Plate Dissipation	0.5 W	—
Maximum Cathode Current	9 mA	—
Plate Voltage	100 V	EachSection
Cathode Bias Resistor	470 ohm	EachSection
Plate Current	4.8 mA	EachSection
Plate Supply Voltage	150 V	ComputerService



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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	2.4 pF	EachSection
Output capacitance	0.5 pF	EachSection
Grid-to-plate capacitance	2.7 pF	EachSection

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	ClassA;EachSection
Cathode resistor	470 Ω	ClassA;EachSection
Plate current	4.8 mA	ClassA;EachSection
Plate voltage	150 V	FrequencyHalver;EachSection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	7950 Ω	EachSection
Transconductance	3400 μS	EachSection
Amplification factor	27	EachSection

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker