

ELECTRONIC TUBE REFERENCE

6AJ4

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

9BX - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 — G1	A	G1 — Control Grid	CONNECTED
PIN2 — K	A	K — Cathode	CONNECTED
PIN3 — G1	A	G1 — Control Grid	CONNECTED
PIN4 — G1	A	G1 — Control Grid	CONNECTED
PIN5 — P	A	P — Plate (Anode)	CONNECTED
PIN6 — G1	A	G1 — Control Grid	CONNECTED
PIN7 — H	—	H — Heater	CONNECTED
PIN8 — H	—	H — Heater	CONNECTED
PIN9 — G1	A	G1 — Control Grid	CONNECTED

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	4200 Ω
TRANSCONDUCTANCE	0.01 S
AMPLIFICATION FACTOR	42
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Published ratings/characteristics promoted where clearly stated; repeated identical sections compressed where applicable.</i>	

High-transconductance triode for grounded-grid RF amplification.



SOURCE OPERATING CONDITIONS

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published nominal value
Heater current	225 mA	Published nominal value
Transconductance	10000 μ S	Published operating characteristic

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	2 W	Published maximum rating



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
Plate voltage	125 V	ClassA
Cathode resistor	68 ohm	ClassA
Plate current	16 mA	ClassA



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