



ELECTRONIC TUBE REFERENCE

6SJ7WGT

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Ruggedized pentode for dependable RF and audio-frequency amplification in military, industrial, and other demanding electronic equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9L	BASE PINS	8
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

9L - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – P	A	P – Plate (Anode)	CONNECTED
PIN3 – G3	A	G3 – Suppressor Grid	CONNECTED
PIN4 – F	–	F – Filament	CONNECTED
PIN5 – F	–	F – Filament	CONNECTED
PIN6 – G2	A	G2 – Screen Grid	CONNECTED
PIN7 – G1	A	G1 – Control Grid	CONNECTED
PIN8 – G3	A	G3 – Suppressor Grid	CONNECTED
PIN9 – FCT	–	FCT – Filament Center Tap	CONNECTED

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	1000000 Ω
TRANSCONDUCTANCE	0.00165 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	100 V
<i>Promoted only from clearly identified printed ratings/characteristics; additional operating and limiting values retained in TUBE_SECTION_PARAMETER.</i>	

Rugged pentode for RF and AF amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Raytheon Special Purpose Tubes

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

195X RAYTHEON SPECIAL PURPOSE TUBES

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	RFAFAmplifier
Control-grid voltage	-3 V	RFAFAmplifier
Screen voltage	100 V	RFAFAmplifier
Suppressor-grid voltage	0 V	RFAFAmplifier
Plate current	3 mA	RFAFAmplifier
Screen current	0.8 mA	RFAFAmplifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance minimum	1 M Ω	Section1
Transconductance	1650 μ S	Section1

TUBE TINKER

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and their source documents.

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