

ELECTRONIC TUBE REFERENCE

6C4W

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Rugged medium-mu miniature triode for Class C amplifier and oscillator service under severe shock and vibration conditions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9U	BASE PINS	7
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

9U - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – P	A	P – Plate (Anode)	CONNECTED
PIN2 – IC	–	–	IC
PIN3 – IC	–	–	IC
PIN4 – F	–	F – Filament	CONNECTED
PIN5 – F	–	F – Filament	CONNECTED
PIN6 – IC	–	–	IC
PIN7 – IC	–	–	IC
PIN8 – IC	–	–	IC
PIN9 – P	A	P – Plate (Anode)	CONNECTED

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	7700 Ω
TRANSCONDUCTANCE	0.0022 S
AMPLIFICATION FACTOR	17
MAXIMUM PLATE VOLTAGE	250 V
<i>Promoted only from clearly identified printed ratings/characteristics; additional published operating points retained in TUBE_SECTION_PARAMETER.</i>	

Rugged medium-mu miniature triode suitable for Class C amplifier and oscillator service under shock and vibration.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Positive with respect to Cathode	100 V	Heater Positive with respect to Cathode 100 volts
Grid Voltage	330 V	Grid Voltage 330 volts
Grid Current	28 mA	Grid Current 28 ma.
“eee	9 mA	“eee 9 ma,
Minimum External Grid - Bias Voltage	5.5 W	Minimum External Grid - Bias Voltage 5.5 watts
Grid Voltage 100	250 V	Grid Voltage 100 250 volts
Plate Resistance	0 V	Plate Resistance 0 -8.5 volts



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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Control-grid voltage	-8.5 V	OscillatorAmplifier
Plate voltage	250 V	OscillatorAmplifier
Plate current	10.5 mA	OscillatorAmplifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	7700 Ω	Section1
Transconductance	2200 μS	Section1
Amplification factor	17	Section1