



ELECTRONIC TUBE REFERENCE

48

Voltage - Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Power-amplifier tetrode for low-voltage Class A output service. Published operating data provide about 2.5 watts output from a 125-volt plate supply.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6A	BASE PINS	6
NOMINAL HEATER	30 V / 400 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
TRANSCONDUCTANCE	0.0039 S
AMPLIFICATION FACTOR	15.6
MAXIMUM PLATE VOLTAGE	125 V
MAXIMUM SCREEN VOLTAGE	100 V
MAXIMUM CATHODE CURRENT	65.5 mA
<i>Electrical section extracted from approved source.</i>	

Power amplifier tetrode for low-voltage output service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Raytheon Radio Receiving Tubes

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

1937 RAYTHEON RADIO RECEIVING TUBES

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	125 V	ClassA
Screen Voltage	100 V	ClassA
Grid Voltage	-20 V	ClassA
Plate Current	56 mA	ClassA
Screen Current	9.5 mA	ClassA
Load Resistance	1500 ohm	ClassA
Power Output	2.5 W	ClassA

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1940 RCA

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

1940 RCA

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	30 V	Nominal
HeaterCurrentNominal	400 mA	Nominal
Maximum Plate Voltage	125 V	—
Maximum Screen Voltage	100 V	—
Maximum Cathode Current	65.5 mA	—

Characteristic		
Parameter	Published Value	Condition / Note
Transconductance	3900 μS	Typical



SOURCE DATA APPENDIX

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 · Tetrode

Other		
Parameter	Published Value	Condition / Note
Plate Voltage	125 V	ClassA
Screen Voltage	100 V	ClassA
Grid Voltage	-20 V	ClassA
Plate Current	56 mA	ClassA
Screen Current	9.5 mA	ClassA
Load Resistance	1500 ohm	ClassA
Power Output	2.5 W	ClassA

TUBE TINKER

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

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