



ELECTRONIC TUBE REFERENCE

49

Voltage - Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Directly heated dual-grid power-amplifier tube for low-power Class A output service. Its economical two-volt filament suits battery-operated receiving equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5C	BASE PINS	5
NOMINAL HEATER	2 V / 120 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
PLATE RESISTANCE	4175 Ω
TRANSCONDUCTANCE	0.001125 S
AMPLIFICATION FACTOR	4.7
MAXIMUM PLATE VOLTAGE	135 V
MAXIMUM CATHODE CURRENT	50 mA
<i>Published ratings and characteristics promoted where applicable.</i>	

Directly heated dual-grid power amplifier tube.

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	135 V	ClassA;Grid2AndPlateTied
Grid Voltage	-20 V	ClassA
Plate Current	6 mA	ClassA
Load Resistance	11000 ohm	ClassA
Power Output	0.17 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	2 V	Nominal
HeaterCurrentNominal	120 mA	Nominal
Maximum Plate Voltage	180 V	—
Maximum Cathode Current	50 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	1125 μ S	Typical

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	4.7	Typical
Plate Resistance	4175 ohm	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	135 V	ClassA;Grid2AndPlateTied
Grid Voltage	-20 V	ClassA
Plate Current	6 mA	ClassA
Load Resistance	11000 ohm	ClassA
Power Output	0.17 W	ClassA



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power Output	3.5 W	ClassB;PushPull;TwoTubes

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