

ELECTRONIC TUBE REFERENCE

841

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Thoriated-tungsten transmitting power triode retained primarily for renewal service. High plate resistance, moderate amplification factor, and approximately 15 W plate dissipation represent an early moderate-power transmitting design.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	7.5 V / 1.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	40000 Ω
TRANSCONDUCTANCE	0.00075 S
AMPLIFICATION FACTOR	30
MAXIMUM PLATE VOLTAGE	450 V
MAXIMUM PLATE DISSIPATION	15 W
Highest published plate-voltage/dissipation limits used; service-specific conditions retained in parameters.	

Thoriated-tungsten transmitting power triode retained primarily for renewal service.



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
Power Output	28 W	ClassB;PushPull;TwoTubes



SOURCE OPERATING CONDITIONS

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1938 Raytheon Amateur

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

1938 RAYTHEON AMATEUR

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power Output	28 W	ClassB;PushPull;TwoTubes



SOURCE OPERATING CONDITIONS

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1938 RCA Transmitting Tubes

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

1938 RCA TRANSMITTING TUBES

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	7.5 V	Nominal
HeaterCurrentNominal	1.25 A	Nominal
Maximum Plate Voltage	450 V	—
Maximum Plate Dissipation	15 W	—
Maximum Frequency	6 MHz	Published full-rating frequency guidance

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	10	Typical



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1956 RCA Transmitting Tubes

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1956 RCA TRANSMITTING TUBES

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	7.5 V	—
HeaterOrFilamentCurrent	1.25 A	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1968 General Electric Co

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1968 GENERAL ELECTRIC CO

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltageNominal	7.5 V	—
HeaterOrFilamentCurrentNominal	1.25 A	—
Maximum Plate Voltage	450 V	ClassC
Maximum Plate Dissipation	15 W	ClassB/ClassC

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	30	—
Transconductance	750 uS	PlateCurrent=2.2mA
Plate Resistance	40000 Ohm	ClassA

TUBE TINKER

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