



ELECTRONIC TUBE REFERENCE

842

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Thoriated-tungsten power triode designed for Class A audio-frequency power amplification and modulator service. Low amplification factor and moderate plate dissipation favor high-current, low-gain audio output operation.

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

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0012 S
AMPLIFICATION FACTOR	3
MAXIMUM PLATE VOLTAGE	425 V
MAXIMUM PLATE DISSIPATION	12 W
<i>Published ratings and characteristics promoted from the approved Raytheon source.</i>	

Thoriated-tungsten power triode for Class A AF power-amplifier and modulator service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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	3 W	ClassA;OneTube



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	7.5 V	Nominal
HeaterCurrentNominal	1.25 A	Nominal
Maximum Plate Voltage	425 V	—
Maximum Plate Dissipation	12 W	—
UndistortedPowerOutput	3 W	ClassA; 425 V plate

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	3	Typical



1956 RCA Transmitting Tubes

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

1956 RCA TRANSMITTING TUBES

Section 1 · Triode

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	425 V	ClassA

TUBE TINKER

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

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