



ELECTRONIC TUBE REFERENCE

RK30

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated Raytheon transmitting triode with thoriated-tungsten filament for RF power-amplifier and oscillator service. Moderate plate dissipation and kilovolt-class operation provide useful early transmitter power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 3.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	15
MAXIMUM PLATE VOLTAGE	1250 V
MAXIMUM PLATE DISSIPATION	35 W
<i>Published ratings/characteristics promoted where directly applicable; identical twin sections are compressed to one section row.</i>	

Directly heated thoriated-tungsten triode RF power amplifier and oscillator.



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
RFOutputPower	120 W	RFPower



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

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	7.5 V	Published nominal value
Heater or filament current	3.25 A	Published nominal value
Amplification factor	15	Published characteristic

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	35 W	Published maximum or highest stated rating
Carrier power output	18 W	ClassB; Telephony
Peak power output	72 W	ClassB; Telephony

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

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