



ELECTRONIC TUBE REFERENCE

RK36

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated thoriated-tungsten Raytheon high-power triode for RF power amplification and oscillator service. Approximately 100 W plate dissipation and 3 kV capability support substantial transmitting power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 8 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0025 S
AMPLIFICATION FACTOR	14
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM PLATE DISSIPATION	100 W
<i>Published ratings/characteristics promoted where directly applicable; identical twin sections are compressed to one section row.</i>	

Directly heated thoriated-tungsten high-power 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	200 W	ClassC;Telephony



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	5 V	Published nominal value
Heater or filament current	8 A	Published nominal value
Transconductance	2500 μ S	Published characteristic
Amplification factor	14	Published characteristic

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	100 W	Published maximum or highest stated rating
Carrier power output	200 W	ClassC; PlateModulation
Peak power output	800 W	ClassC; PlateModulation