



ELECTRONIC TUBE REFERENCE

RK10

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Raytheon power triode for audio and RF power amplification, oscillation, and frequency multiplication. Rated around 12 W plate dissipation and 450 V, it supports operation to approximately 60 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 3 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	5000 Ω
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	8
MAXIMUM PLATE VOLTAGE	450 V
MAXIMUM PLATE DISSIPATION	12 W
Published ratings and characteristics promoted from the approved Raytheon source.	

Power triode for audio and radio-frequency power amplification, oscillation, and frequency multiplication.



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
HeaterVoltageNominal	6.3 V	Nominal
HeaterCurrentNominal	3 A	Nominal
Maximum Plate Voltage	450 V	—
Maximum Plate Dissipation	12 W	—
Maximum Frequency	60 MHz	Full ratings or reduced-voltage operation as published

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	1600 μ S	Typical
Plate Resistance	5000 ohm	Typical



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	1.6 W	ClassA;OneTube