



ELECTRONIC TUBE REFERENCE

RK33

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Twin triode designed for RF power-amplifier and oscillator service, with two similar systems and published Class-C output capability to approximately 60 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	8750 Ω
TRANSCONDUCTANCE	0.0012 S
AMPLIFICATION FACTOR	10.5
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2.5 W
<i>Published ratings/characteristics promoted where directly applicable; identical twin sections are compressed to one section row.</i>	

SECTION2 Triode	
PLATE RESISTANCE	8750 Ω
TRANSCONDUCTANCE	0.0012 S
AMPLIFICATION FACTOR	10.5
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2.5 W
<i>Second physical triode restored under current one-row-per-physical-section policy.</i>	

Twin triode RF power amplifier and oscillator with two similar triode systems.

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	6.3 V	Published nominal value
Heater or filament current	600 mA	Published nominal value
Transconductance	1200 μ S	Published characteristic
Amplification factor	10.5	Published characteristic

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	2.5 W	Published maximum or highest stated rating
RF power output	3.5 W	ClassC; OneTube
Maximum operating frequency	60 MHz	Full ratings