



ELECTRONIC TUBE REFERENCE

RK18

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Raytheon transmitting power triode for RF amplification, oscillation, frequency multiplication, and Class B audio service. Rated around 40 W plate dissipation and 1.25 kV, published RF output reaches approximately 190 W.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 3 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	1250 V
MAXIMUM PLATE DISSIPATION	40 W
<i>Published ratings and characteristics promoted from the approved Raytheon source.</i>	

Power triode for RF amplification, oscillation, frequency multiplication, and Class-B audio service.



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	7.5 V	Nominal
HeaterCurrentNominal	3 A	Nominal
Maximum Plate Voltage	1250 V	—
Maximum Plate Dissipation	40 W	—
Maximum Frequency	60 MHz	Full ratings or reduced-voltage operation as published



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
RFOutputPower	190 W	—