

ELECTRONIC TUBE REFERENCE

RK20A

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Raytheon power pentode for RF amplification, oscillator, modulation, and frequency-multiplier service. Designed as a versatile transmitting tube for amateur and professional radio-frequency equipment.

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 Pentode	
MAXIMUM PLATE VOLTAGE	1250 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	40 W
MAXIMUM SCREEN DISSIPATION	15 W
MAXIMUM CATHODE CURRENT	92 mA
Published ratings and characteristics promoted from the approved Raytheon source.	

Power pentode for RF amplification, oscillation, modulation, and frequency-multiplier 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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	7.5 V	Nominal
HeaterCurrentNominal	3 A	Nominal
Maximum Plate Voltage	1250 V	—
Maximum Screen Voltage	300 V	—
Maximum Plate Dissipation	40 W	—
Maximum Screen Dissipation	15 W	—
Maximum Cathode Current	92 mA	—
Maximum Frequency	60 MHz	Full ratings or reduced-voltage operation as published
Carrier Power Output	84 W	ClassC telegraphy
MaximumFrequencyAtFullRatings	30 MHz	—



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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RFOutputPower	84 W	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	RFPower_Oscillator_Modulator_FrequencyMultiplier text	—