



ELECTRONIC TUBE REFERENCE

RK28

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Directly heated thoriated-tungsten pentode designed for RF power amplification and oscillator service. Its filamentary transmitting construction supports substantial radio-frequency output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	100 W
MAXIMUM SCREEN DISSIPATION	35 W
<i>Published ratings and characteristics promoted from the approved Raytheon source.</i>	

Directly heated thoriated-tungsten pentode 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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RFOutputPower	50 W	ClassB;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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RFOutputPower	210 W	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	RFPower_Oscillator_FrequencyMultiplier text	—