



ELECTRONIC TUBE REFERENCE

6K6G

Power - Pentode Single (NOT beam) (under 10W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Intermediate-power pentode whose operating characteristics and applications follow the type 41 family. Designed primarily for receiver audio-output service rather than small-signal amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.0022 S
AMPLIFICATION FACTOR	150
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	8.5 W
MAXIMUM SCREEN DISSIPATION	2.8 W
<i>Published ratings, characteristics and operating tables reviewed.</i>	

Intermediate-power pentode whose operating characteristics and applications follow the type 41 family.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Raytheon Radio Receiving Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1937 RAYTHEON RADIO RECEIVING TUBES

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	250 V	Published datasheet rating
Maximum screen voltage	250 V	Published datasheet rating
Plate voltage	250 V	ClassA
Screen voltage	250 V	ClassA
Screen current	5.5 mA	ClassA
Power output	3.4 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2200 μ S	Published datasheet characteristic
Amplification factor	150	Published datasheet characteristic
Heater voltage	6.3 V	Published heater rating
Heater current	400 mA	Published heater rating



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1948 Brimar Radio Valve Manual

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1948 BRIMAR RADIO VALVE MANUAL

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power output maximum published	4.5 W	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1958 Brimar Radio Valve No 7

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1958 BRIMAR RADIO VALVE NO 7

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power output maximum published	4.5 W	—