



ELECTRONIC TUBE REFERENCE

6Q6G

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-PENTODE

Beam-power output tube intended for power-amplifier service, providing a conventional receiver audio-output stage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7	BASE PINS	7
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	62000 Ω
TRANSCONDUCTANCE	0.00105 S
AMPLIFICATION FACTOR	65
MAXIMUM PLATE VOLTAGE	250 V
<i>Promoted from clearly identified printed ratings/characteristics; additional operating points and capacitances retained in TUBE_SECTION_PARAMETER.</i>	

SECTION2 Diode	
<i>No fixed ratings recorded.</i>	
<i>Promoted from clearly identified printed ratings/characteristics; additional operating points and capacitances retained in TUBE_SECTION_PARAMETER. The source identifies two independent detector diodes but does not publish separate diode electrical ratings.</i>	

Beam power output tube intended for power-amplifier service.

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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	1.3 pF	Section1
Input capacitance	2.7 pF	Section1
Output capacitance	4.5 pF	Section1

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	135 V	ClassA
Grid bias	-1.5 V	ClassA
Plate current	0.9 mA	ClassA
Plate voltage	250 V	ClassA
Grid bias	-3 V	ClassA
Plate current	1.2 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	65000 Ω	135VPlate
Transconductance	1000 μ S	135VPlate
Amplification factor	65	Section1
Plate resistance	62000 Ω	250VPlate
Transconductance	1050 μ S	250VPlate