



ELECTRONIC TUBE REFERENCE

6N6MG

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Direct-coupled dual-triode power amplifier for Class-A and push-pull output service; structurally a dual triode rather than a triode-pentode.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8	BASE PINS	8
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode

PLATE RESISTANCE	24100 Ω
TRANSCONDUCTANCE	0.0024 S
AMPLIFICATION FACTOR	58
MAXIMUM PLATE VOLTAGE	325 V
<i>Electrical characteristics explicitly stated identical to 6B5.</i>	

SECTION2 Triode

PLATE RESISTANCE	24100 Ω
TRANSCONDUCTANCE	0.0024 S
AMPLIFICATION FACTOR	58
MAXIMUM PLATE VOLTAGE	325 V
<i>Promoted from clearly identified printed ratings/characteristics; additional operating points and capacitances retained in TUBE_SECTION_PARAMETER.</i>	

Direct-coupled duo-triode power amplifier for Class-A and push-pull output 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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input-plate voltage	300 V	ClassA
Input-plate current	8 mA	ClassA
Signal voltage RMS	15 V	ClassA

1937 RAYTHEON RADIO RECEIVING TUBES

Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output-plate voltage	300 V	ClassA
Output-plate current	45 mA	ClassA
Load resistance	7000 Ω	ClassA
Power output	4 W	ClassA
Output-plate voltage	300 V	ClassA;PushPull;TwoTubes
Output-plate current	45 mA	ClassA;PushPull;TwoTubes
Load resistance plate-to-plate	10000 Ω	ClassA;PushPull;TwoTubes
Power output	10 W	ClassA;PushPull;TwoTubes

1938 Triadyne

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

1938 TRIADYNE
Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PlateCurrentOutput	45 mA	ClassA;OneTube;At 300 V
PlateCurrentInput	8 mA	ClassA;OneTube;At 300 V
Load Resistance	7000 ohm	ClassA;OneTube;At 300 V
Power Output	4 W	ClassA;OneTube;At 300 V
Power Output	10 W	PushPull;ClassA;TwoTubes;At 300 V