



ELECTRONIC TUBE REFERENCE

6AQ4

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

General-purpose triode for receiving, amplification, driver, or electronic service as documented by the manufacturer.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7DT	BASE PINS	7
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	12000 Ω
TRANSCONDUCTANCE	0.0085 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	250 V
Published maximum ratings, representative operating characteristics, and capacitance columns reviewed.	

6AQ4 is listed in the supplied receiving-tube handbook as a high-mu triode. The published heater rating is 6.3 V at 0.3 A. Maximum ratings and representative operating characteristics were transcribed from the supplied table.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	250 V	Published handbook rating
Plate voltage	250 V	ClassA
Control-grid bias	1.5 V	ClassA
Plate current	10 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	12000 ohm	Published handbook characteristic
Transconductance	8500 μ S	Published handbook characteristic
Amplification factor	100	Published handbook characteristic
Heater voltage	6.3 V	Published heater rating
Heater current	300 mA	Published heater rating

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	8.5 pF	Published capacitance column
Output capacitance	0.2 pF	Published capacitance column
Grid-to-plate capacitance	2.5 pF	Published capacitance column

TUBE TINKER

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