



ELECTRONIC TUBE REFERENCE

1635

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

High-mu twin triode intended for audio amplification and Class-B power-amplifier service, combining two triode units in one envelope for push-pull output operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8B	BASE PINS	8
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	3 W
<i>Published promoted values applied where semantically applicable; additional table values retained in section parameters.</i>	

SECTION2 Triode	
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	3 W
<i>Identical second physical section; duplicated from representative section per physical-section-row policy.</i>	

The 1635 is an octal high-mu twin triode intended for audio amplifier applications. The source includes Class-B amplifier data and lists about 10.4 W output under the tabulated condition.



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
Plate voltage	300 V	ClassB PushPull TwoTubes
Control-grid voltage	0 V	ClassB PushPull TwoTubes
Load resistance plate-to-plate	12000 Ω	ClassB PushPull TwoTubes
Power output	10.4 W	ClassB PushPull TwoTubes



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 RCA Industrial and Communications Types

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

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	300 V	ClassB
Power output	10.4 W	ClassB;TwoTubes
Plate-to-plate load for one-tube power output	12000 Ω	ClassB

SOURCE OPERATING CONDITIONS
[SOURCE PDF](#)

1971 RCA HB3 Binder 3 of 7

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

1971 RCA HB3 BINDER 3 OF 7

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Voltage	6.3 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Current	0.6	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Pin 1 -No – published value 1	1	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Pin 1 -No – published value 2	5	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Pin 2 -Heater – published value 1	2	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Pin 2 -Heater – published value 2	6	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Pin 3 -Plate of	3	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Unit No.2	7	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Pin 4 -Grid of – published value 1	4	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Pin 4 -Grid of – published value 2	8	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Plate Voltage – published value 1	300 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
DC Plate Voltage – published value 2	300 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
DC Grid Voltage – published value 1	0 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
DC Grid Voltage – published value 2	0 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Peak AF Grid-to – published value 1	70 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Peak AF Grid-to – published value 2	108 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Peak Grid Current (per unit) – published value 1	38 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Peak Grid Current (per unit) – published value 2	39 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Plate-Supply Impedance – published value 1	0 ohm	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Plate-Supply Impedance – published value 2	1000 ohm	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
(plate-to-plate) – published value 1	12000 ohm	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
(plate-to-plate) – published value 2	12000 ohm	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
grid circuit is 500 Ohms, anA the leakage raactance 01 the Couppl ingg	500 ohm	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC PLATE VOLTAGE	300 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
PEAK PLATE CURRENT (per plate)	90 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
PLATE DISSIPATION (per plate)	3 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Heater negative with respect to cathode	90 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Heater positive with respect to cathode	90 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Max.-Signal DC Plate Current – published value 1	54 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Max.-Signal DC Plate Current – published value 2	54 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Max.-Signal Power Output – published value 1	10.4 W	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Max.-Signal Power Output – published value 2	10.4 W	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.

TUBE TINKER

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