

ELECTRONIC TUBE REFERENCE

4631

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Low-voltage directly heated triode for telephone and professional communications service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0005 S
AMPLIFICATION FACTOR	18
MAXIMUM SCREEN VOLTAGE	300 V
Published maximum ratings/general electrical characteristics promoted directly; pulse, RF, capacitance, cooling, and service-specific values retained in TUBE_SECTION_PARAMETER.	

Low-voltage telephone-service directly heated triode.



SOURCE OPERATING CONDITIONS

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1957 Philips Receiving and Amplifying Tubes

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

1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 1 · Triode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Telephone equipment / preamplifier	—



SOURCE OPERATING CONDITIONS

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1971 RCA HB3 Binder 6 of 7

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1971 RCA HB3 BINDER 6 OF 7

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	1000 V	PromotedValue
Maximum screen-grid voltage	300 V	PromotedValue
Maximum plate dissipation	150 W	PromotedValue
Maximum cathode/plate current	200 mA	PromotedValue
and heater)	250 mA	Published datasheet value
Plate-Core Temperature	250 mA	Published datasheet value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mu / amplification factor	18	PromotedValue

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	26.5 V	Nominal operating value
Heater/filament current	540 mA	Nominal operating value
Oxide-Coated Cathode	80 W	CW
Linear RF Power	40 W	CW
Voltage (ac or dc) – published value 1	26.5 V	Published datasheet value
Voltage (ac or dc) – published value 2	10 V	Published datasheet value
Current at 26.5 volts – published value 1	26.5 V	Published datasheet value
Current at 26.5 volts – published value 2	0.54 V	Published datasheet value
Minimum heating time	60	Published datasheet value
Mu-Factor, Grid No.2 to Grid No.1	18	Published datasheet value
DC Plate Voltage	1000 V	Published datasheet value
DC Grid-No.2 Voltage	300 V	Published datasheet value
DC Grid-No.1 Voltage	100 V	Published datasheet value
DC Plate Current	200 mA	Published datasheet value
Plate Dissipation	150	Published datasheet value



SOURCE OPERATING CONDITIONS

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1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	130 V	—
Plate current	0.7 mA	—
Transconductance	0.5 mA/V	—

TUBE TINKER

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