ELECTRONIC TUBE REFERENCE

4606

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Directly heated triode for telephone equipment and preamplifier service in professional communications systems.

General characteristics

BASE DESIGNATION	_	**BASE PINS**	_
NOMINAL HEATER	4.5 V / 1 A	**PARALLEL HEATER**	_ / _
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode

PLATE RESISTANCE	5500 Ω
TRANSCONDUCTANCE	0.001 S
AMPLIFICATION FACTOR	5.5
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.2 W
MAXIMUM CATHODE CURRENT	12 mA

Published ratings and characteristics promoted from the supplied Philips source where explicitly available.

Directly heated triode for telephone equipment and preamplifier service.

SOURCE OPERATING CONDITIONS

1957 Philips Receiving and Amplifying Tubes

SOURCE PDF

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

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
HeaterOrFilamentVoltage	**4.5 V**	—
HeaterOrFilamentCurrent	**1 A**	—
Plate Capacitance	**2.2 pF**	—
GridCapacitance	**4 pF**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Plate Voltage	**130 V**	Preamplifier
Grid Voltage	**-9 V**	Preamplifier
Plate Current	**8.5 mA**	Preamplifier

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1999 Philips 0-D

SOURCE PDF

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**	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	**8.5 mA**	—
Transconductance	**1 mA/V**	—
Grid voltage	**-9 V**	—
Amplification factor	**5.5**	—
Plate resistance	**5.5 kohm**	—

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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