ELECTRONIC TUBE REFERENCE

MH40

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Low-noise, low-microphony OSRAM triode for early stages of high-gain amplifiers.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	5
NOMINAL HEATER	4 V / 1 A	**PARALLEL HEATER**	– / –
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode

PLATE RESISTANCE	8000 Ω
TRANSCONDUCTANCE	0.0024 S
AMPLIFICATION FACTOR	45
MAXIMUM PLATE VOLTAGE	200 V

Promoted values mapped from printed rating/approximate-data tables; additional operating points and capacitances retained as parameters.

OSRAM MH40 triode for amplification, detection, or power-output service as specified in the supplied datasheet.

SOURCE OPERATING CONDITIONS

193X Osram

SOURCE PDF

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

193X OSRAM

Section 1 · Triode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Heater/Filament Voltage	**4 V**	Published datasheet value
Heater/Filament Current	**1 A**	Published datasheet value
Maximum Anode Voltage	**200 V**	Published datasheet value

CHARACTERISTICS		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Plate Resistance	**18750 ohm**	Published datasheet value
Mutual Conductance	**2400 µS**	Published datasheet value
Amplification Factor	**45**	Published datasheet value

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1955 Marconi

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

1955 MARCONI

Section 1 · Triode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Plate Resistance	**8000 ohm**	—
Amplification Factor	**45**	—
Grid-Anode Capacitance	**7.3 pF**	—
Anode-Cathode Capacitance	**4 pF**	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Cathode Capacitance	**6 pF**	—
Low Noise Design	**1 boolean**	—
Low Microphony Design	**1 boolean**	—

Tube Tinker

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

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