



ELECTRONIC TUBE REFERENCE

MS4B

Voltage Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

OSRAM receiving tetrode documented for amplification, detection, and related receiver service; available source labeling is internally inconsistent about electrode terminology.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Tetrode	
PLATE RESISTANCE	350000 Ω
TRANSCONDUCTANCE	0.0032 S
AMPLIFICATION FACTOR	1120
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	30 V
<i>Published characteristics/ratings were promoted when unambiguous; remaining operating values are preserved in TUBE_SECTION_PARAMETER.</i>	

OSRAM MS4B triode for amplification, detection, or power-output service as specified in the supplied datasheet.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

192X Marconi Valve

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

192X MARCONI VALVE

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published operating data	See source	Operating curves/table are present on the approved one-page source; values not promoted unless unambiguous in searchable text.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

193X Osram

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

193X OSRAM

Section 1 · Tetrode

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	250 V	Published datasheet value
Maximum Screen Voltage	30 V	Published datasheet value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	350000 ohm	Published datasheet value
Mutual Conductance	3200 μ S	Published datasheet value
Amplification Factor	1120	Published datasheet value