

Classic Marconi/Osram directly heated audio power triode for early receiver output stages. It combines about 5 W plate dissipation with low plate resistance and useful transformer-coupled output capability.

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	2860 Ω
TRANSCONDUCTANCE	0.0042 S
AMPLIFICATION FACTOR	12
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	5 W
Published characteristics/ratings were promoted when unambiguous; remaining operating values are preserved in TUBE_SECTION_PARAMETER.	

OSRAM ML4 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 · Triode

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](#)

1937 Osram Valves

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

1937 OSRAM VALVES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Optimum load resistance	7000 ohm	Published operating data



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 · 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	250 V	Published datasheet value
Maximum Anode Dissipation	5 W	Published datasheet value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	2860 ohm	Published datasheet value
Mutual Conductance	4200 μ S	Published datasheet value
Amplification Factor	12	Published datasheet value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

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
Filament/heater voltage	4 V	—
Filament/heater current	1 A	—
Maximum anode voltage	200 V	—
Maximum anode dissipation	5 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	12	—
Transconductance	4200 μ S	—
Plate resistance	2860 ohm	—