



ELECTRONIC TUBE REFERENCE

PX4

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Classic Marconi/Osram directly heated audio power triode designed as a high-output receiver valve. Moderate plate dissipation, low amplification factor, and useful transconductance suit transformer-coupled Class A loudspeaker output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	UX4	BASE PINS	4
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	830 Ω
TRANSCONDUCTANCE	0.006 S
AMPLIFICATION FACTOR	5
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	12 W
MAXIMUM CATHODE CURRENT	80 mA
<i>Published maximum ratings and characteristics audited; remaining useful numerical data retained in parameter table.</i>	

Directly heated PX4 audio output triode. The supplied Emission Labs sheet was read for filament data, maximum ratings, representative operating points, gm/rp/mu, output conditions, capacitances, and rectifier filter conditions as applicable.



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	2400 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	12 W	Published datasheet value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	830 ohm	Published datasheet value
Mutual Conductance	6000 μ S	Published datasheet value
Amplification Factor	5	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
PX	4 W	PX 4, Super-Power,
Marconi PX	4 W	Marconi PX.4 is a super-power output
valve for powerful receivers, capable FuameNrvoLs aomax J1 L)	1 W	valve for powerful receivers, capable FuameNrvoLs aomax J1 L) 1]
transformer output is desirable. In [1]	50	transformer output is desirable. In 50"%1 1 1
transformer output is desirable. In [2]	1	transformer output is desirable. In 50"%1 1 1
transformer output is desirable. In [3]	1	transformer output is desirable. In 50"%1 1 1
transformer output is desirable. In [4]	1	transformer output is desirable. In 50"%1 1 1
Anode (I'j e.galtal_v © Anodge	10	Anode (I'j e.galtal_v © Anodge 10
Anode Volts—Anode Current curve for PX	4 A	Anode Volts—Anode Current curve for PX 4.
Published value [1]	60 mA/V	60~\$ i) MUTUAL CONDUCTANCE 6 0wmAN
Published value [2]	6 mA/V	60~\$ i) MUTUAL CONDUCTANCE 6 0wmAN
Published value [3]	0 mA/V	60~\$ i) MUTUAL CONDUCTANCE 6 0wmAN

2026 Emission Labs

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

2026 EMISSION LABS
Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	4 V	—
Filament current	1.6 A	—
Plate resistance	875 ohm	ClassA
Amplification factor	4.6	ClassA
Transconductance	5300 uS	ClassA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	300 V	ClassA
Plate current	50 mA	ClassA
Grid voltage	-36.5 V	ClassA
Load resistance	3500 ohm	ClassA
Output power	4.5 W	ClassA

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker