

ELECTRONIC TUBE REFERENCE

PT2

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Early OSRAM directly heated battery-era power pentode for receiver audio output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	2 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.0025 S
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	50 V
Published maximum ratings and characteristics audited; remaining useful numerical data retained in parameter table.	

OSRAM PT2 pentode for amplification 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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical anode current at 150 V	6.5 mA	Published approximate operating data



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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Optimum load resistance	16700 ohm	Published operating data



SOURCE OPERATING CONDITIONS

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193X Osram

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

193X OSRAM

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	2 V	Published datasheet value
Heater/Filament Current	200 mA	Published datasheet value
Maximum Anode Voltage	150 V	Published datasheet value
Maximum Screen Voltage	150 V	Published datasheet value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mutual Conductance	2500 μ S	Published datasheet value



SOURCE DATA APPENDIX

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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published value [1]	20	20/- PT2 FILAMENT VOLTS 2.0 MAX.
Published value [2]	2	20/- PT2 FILAMENT VOLTS 2.0 MAX.
" FILAMENT CURRENT [1]	0 mA	" FILAMENT CURRENT 0-2 AMP
" FILAMENT CURRENT [2]	-2 A	" FILAMENT CURRENT 0-2 AMP
MAX. ANODE VOLTS	150	MAX. ANODE VOLTS 150]_.
PT [1]	2 mA/V	PT.2 is a new pentode 0 ——— MUTUAL CONDUCTANCE 2:5 MA/Y
PT [2]	0 mA/V	PT.2 is a new pentode 0 ——— MUTUAL CONDUCTANCE 2:5 MA/Y
PT [3]	2 mA/V	PT.2 is a new pentode 0 ——— MUTUAL CONDUCTANCE 2:5 MA/Y
PT [4]	5 mA/V	PT.2 is a new pentode 0 ——— MUTUAL CONDUCTANCE 2:5 MA/Y

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
portance. Output is quite	-8	portance. Output is quite -8 . ~ OSSLN,
while its small current	5 mA	while its small current 5
PT	240	PT.240 is a pentode output valve
urs L4	150 W	urs L4 150 A/}m';j power output is appreciably greater
@ IMPEDANCE	55000 ohm	@ IMPEDANCE 55000 Orms — L. . . .
kS MUTUAL CONDUCTANCE [1]	1 mA/V	kS MUTUAL CONDUCTANCE 1 65 Ma/Ver _ teristic high amplification factor of the
kS MUTUAL CONDUCTANCE [2]	65 mA/V	kS MUTUAL CONDUCTANCE 1 65 Ma/Ver _ teristic high amplification factor of the

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and their source documents.

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