

High-transconductance Osram series-heater power pentode for transformerless receiver output stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	26 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.01 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	180 V
MAXIMUM PLATE DISSIPATION	8 W
Published ratings and characteristics promoted from the approved datasheet.	

OSRAM N31 pentode for amplification or power-output service as specified in the supplied datasheet.



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	5500 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

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	26 V	Published datasheet value
Heater/Filament Current	300 mA	Published datasheet value
Maximum Anode Voltage	200 V	Published datasheet value
Maximum Screen Voltage	180 V	Published datasheet value
Maximum Anode Dissipation	8 W	Published datasheet value