



ELECTRONIC TUBE REFERENCE

VMP4G

Voltage Pentode - Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Variable-mu or remote-cutoff pentode designed for RF, IF, broadband, or AVC-controlled receiver amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.0027 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	100 V
<i>Published ratings and characteristics promoted from the approved datasheet.</i>	

A variable-mu screen pentode for high-frequency or intermediate-frequency receiver amplification, combining low grid-anode capacitance with high voltage gain and stable operation.



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
Heater Voltage	4 V	Published datasheet value
Heater Current	1 A	Published datasheet value
Anode Voltage Maximum	250 V	Published datasheet value
Screen Voltage Maximum	100 V	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mutual Conductance	2700 μS	Published datasheet value



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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode capacitance	0.0026 pF	Published datasheet value
Anode-other-electrodes capacitance	8.7 pF	Published datasheet value
Grid-other-electrodes capacitance	14 pF	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 · Pentode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage	250 V	—
Maximum screen voltage	100 V	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2700 μ S	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-grid capacitance	0.0026 pF	—
Anode-earth capacitance	8.7 pF	—
Grid-earth capacitance	14 pF	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Primary application	HF and IF amplification	—