



ELECTRONIC TUBE REFERENCE

PENA4

Power - Pentode Single (NOT beam) (under 10W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Power/output pentode designed for audio-frequency output amplification in receiver or push-pull amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	4 V / 1.95 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	50000 Ω
TRANSCONDUCTANCE	0.0095 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	9 W
<i>Audio output pentode.</i>	

High-sensitivity output pentode for AC mains receivers.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Mullard Receiving Tubes

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

1958 MULLARD RECEIVING TUBES

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	ClassA
Screen Voltage	250 V	ClassA
Plate Current	36 mA	ClassA
Power Output	3.8 W	ClassA
Load Resistance	8000 ohm	ClassA



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Screen voltage	250 V	ClassA
Plate current	36 mA	ClassA
Screen current	5 mA	ClassA
Control-grid voltage	-5.8 V	ClassA
Optimum load	8000 ohm	ClassA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Audio output at 10% distortion	3.8 W	ClassA
Audio output at 5% distortion	3 W	ClassA
Cathode-bias resistor	145 ohm	ClassA
Grid resistance maximum	1 Mohm	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-current onset range	-0.3 to -0.8 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate-grid capacitance	1 pF	—
Input capacitance	11.5 pF	—

TUBE TINKER

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