



ELECTRONIC TUBE REFERENCE

PEN4VA

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	—
NOMINAL HEATER	4 V / 1.35 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	40000 Ω
TRANSCONDUCTANCE	0.0028 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	9 W
MAXIMUM SCREEN DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	50 mA
<i>Published Mullard ratings, characteristics, capacitances, and operating data promoted where applicable; additional values retained as parameters.</i>	

High-output pentode for AC mains receivers.

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	3 mA	ClassA
Optimum load	6000 ohm	ClassA
Audio output at 10% distortion	3.8 W	ClassA
Cathode-bias resistance	500 ohm	ClassA
Grid resistance maximum self-bias	0.7 Mohm	—
Grid resistance maximum fixed-bias	0.3 Mohm	—
Heater-cathode voltage maximum	50 V	—