



ELECTRONIC TUBE REFERENCE

AP4

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Acorn pentode for RF amplifier and detector service. Compact low-capacitance construction minimizes lead lengths for improved high-frequency performance while providing useful small-signal gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	4 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	3500000 Ω
TRANSCONDUCTANCE	0.0014 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	100 V
MAXIMUM PLATE DISSIPATION	0.8 W
MAXIMUM SCREEN DISSIPATION	0.15 W
<i>Published Mullard ratings, characteristics, capacitances, and operating data promoted where applicable; additional electrical values retained as parameters.</i>	

Acorn pentode for RF amplifier and detector service.

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 operating	250 V	—
Screen voltage operating	100 V	—
Plate current	2 mA	—
Screen current	0.7 mA	—
Control-grid voltage	-3 V	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	1.4 mA/V	—
Amplification grid1-to-grid2	5000	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	RF amplifier / anode detector	—

TUBE TINKER

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and their source documents.

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