

ELECTRONIC TUBE REFERENCE

374A

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Western Electric oxide-filament power pentode with published Class-A output characteristics. Its directly heated construction provides low-frequency power amplification from a filamentary cathode.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	3 V / 830 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	60000 Ω
TRANSCONDUCTANCE	0.0034 S
AMPLIFICATION FACTOR	210
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	4.8 W
MAXIMUM SCREEN DISSIPATION	1 W
Transconductance 3400 uS and plate resistance 60 kohm at the 150 V operating point.	

Oxide-filament power pentode with published Class A output characteristics.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 Western Electric Tubes

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

1956 WESTERN ELECTRIC TUBES

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	3 V	—
HeaterOrFilamentCurrent	530 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Plate Voltage	135 V	ClassA
Typical Plate Current	18 mA	ClassA
Power Output	1.3 W	ClassA



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Western Electric 300s

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

2026 WESTERN ELECTRIC 300S

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GridPlateCapacitance	0.18 pF	—
Input Capacitance	9.2 pF	—
Output Capacitance	6.5 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	24 mA	Plate=150 V; Screen=150 V; Grid=-18 V
Screen Grid Current	1.2 mA	Plate=150 V; Screen=150 V; Grid=-18 V
Load Resistance	4000 ohm	Plate=150 V; Screen=150 V
Maximum Signal Power Output	2 W	Plate=150 V; Screen=150 V