



ELECTRONIC TUBE REFERENCE

328A

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Western Electric heater-cathode suppressor-grid pentode designed for general-purpose voltage amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	6
NOMINAL HEATER	7.5 V / 425 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	750000 Ω
TRANSCONDUCTANCE	0.0018 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	180 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM SCREEN DISSIPATION	0.4 W
MAXIMUM CATHODE CURRENT	10 mA
<i>Promoted from published limiting conditions and representative published characteristics.</i>	

General-purpose heater-cathode pentode for voltage amplification.



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

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	General-purpose voltage amplification	—



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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Control grid to plate without shield	0.025 pF	WithoutShield
Suppressor grid to plate	12.5 pF	WithoutShield
Plate to heater/cathode/screen grid	2.2 pF	WithoutShield
Control grid to suppressor grid	1.8 pF	WithoutShield
Control grid to heater/cathode/screen grid	4 pF	WithoutShield
Suppressor grid to heater/cathode/screen grid	7.5 pF	WithoutShield

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum screen-grid current	2.5 mA	—

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