



ELECTRONIC TUBE REFERENCE

# 336A

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**

CONSTRUCTION

**PENTODE**

Western Electric high-dissipation general-purpose power pentode with documented loaded operating conditions. Its plate and screen ratings support power-amplifier service beyond ordinary small-signal pentode operation.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 6             |
| NOMINAL HEATER      | 10 V / 640 mA     | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                           |                |
|-------------------------------------------------------------------------------------------|----------------|
| SECTION 1 Pentode                                                                         |                |
| PLATE RESISTANCE                                                                          | 80000 $\Omega$ |
| TRANSCONDUCTANCE                                                                          | 0.0042 S       |
| AMPLIFICATION FACTOR                                                                      | 336            |
| MAXIMUM PLATE VOLTAGE                                                                     | 250 V          |
| MAXIMUM SCREEN VOLTAGE                                                                    | 250 V          |
| MAXIMUM PLATE DISSIPATION                                                                 | 9.4 W          |
| MAXIMUM SCREEN DISSIPATION                                                                | 3.1 W          |
| MAXIMUM CATHODE CURRENT                                                                   | 50 mA          |
| Promoted from published limiting conditions and representative published characteristics. |                |

High-dissipation general-purpose heater-cathode pentode.

## 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                      | 0.65 pF         | —                |
| Control grid to heater/cathode/screen grid | 12 pF           | —                |
| Plate to heater/cathode/screen grid        | 9 pF            | —                |

| OTHER                              |                 |                                                                                         |
|------------------------------------|-----------------|-----------------------------------------------------------------------------------------|
| PARAMETER                          | PUBLISHED VALUE | CONDITION / NOTE                                                                        |
| Maximum direct screen-grid current | 10 mA           | —                                                                                       |
| Power output                       | 4.7 W           | PlateVoltage=250V;ScreenGridVoltage=250V;ControlGridVoltage=-14V;LoadResistance=4000ohm |