

# PL264

Power - Pentode (NOT beam) (over 1000V 100W) electronic tube

Power pentode designed for RF transmitting, linear RF amplification, oscillation, modulation, or RF/LF power-amplifier service.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6 V / 17 A        | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                             |         |
|-----------------------------------------------------------------------------------------------------------------------------|---------|
| SECTION1 Pentode                                                                                                            |         |
| TRANSCONDUCTANCE                                                                                                            | 0.037 S |
| MAXIMUM PLATE VOLTAGE                                                                                                       | 5000 V  |
| MAXIMUM PLATE DISSIPATION                                                                                                   | 3000 W  |
| Highest reliable published rating promoted; additional values and operating/application details retained as parameter rows. |         |

The Penta PL264 is a forced-air-cooled 3000 w power tube for high-power rf amplifier service.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1965 Penta Labs Power Tubes

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

## 1965 PENTA LABS POWER TUBES

## Section 1 · Pentode

| CHARACTERISTIC          |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Heater/filament voltage | 6 V             | —                |
| Heater/filament current | 17 A            | —                |
| Transconductance        | 37000 uS        | —                |

| OTHER                     |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum plate voltage     | 5000 V          | —                |
| Maximum plate dissipation | 3000 W          | —                |
| Source language           | English         | —                |

| APPLICATION         |                                                                          |                  |
|---------------------|--------------------------------------------------------------------------|------------------|
| PARAMETER           | PUBLISHED VALUE                                                          | CONDITION / NOTE |
| Primary application | Forced-air-cooled 3000 W power tube for high-power RF amplifier service. | —                |

| CONSTRUCTION        |                 |                  |
|---------------------|-----------------|------------------|
| PARAMETER           | PUBLISHED VALUE | CONDITION / NOTE |
| Cooling             | Forced air      | —                |
| Electrode structure | Pentode         | —                |

## TUBE TINKER

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