



## ELECTRONIC TUBE REFERENCE

6526

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

CONSOLIDATED TECHNICAL  
DATA1 SECTION  
CONSTRUCTION  
PENTODE

Directly heated subminiature power pentode designed for portable, wearable, or low-battery-drain output-amplifier service.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 9             |
| NOMINAL HEATER      | 1.25 V / 125 mA   | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

| SECTION 1 Pentode                                                                                                                    |                 |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| PLATE RESISTANCE                                                                                                                     | 140000 $\Omega$ |
| TRANSCONDUCTANCE                                                                                                                     | 0.0019 S        |
| MAXIMUM PLATE VOLTAGE                                                                                                                | 135 V           |
| MAXIMUM SCREEN VOLTAGE                                                                                                               | 135 V           |
| MAXIMUM PLATE DISSIPATION                                                                                                            | 1.1 W           |
| MAXIMUM SCREEN DISSIPATION                                                                                                           | 0.4 W           |
| MAXIMUM CATHODE CURRENT                                                                                                              | 12 mA           |
| <i>Published ratings and characteristics promoted where clearly stated; identical repeated sections compressed where applicable.</i> |                 |

Directly heated subminiature pentode power amplifier for intermittent-duty or push-to-talk Class A portable equipment.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1938 Raytheon

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

1938 RAYTHEON

## Section 1 · Pentode

| CHARACTERISTICS            |                               |                                           |
|----------------------------|-------------------------------|-------------------------------------------|
| PARAMETER                  | PUBLISHED VALUE               | CONDITION / NOTE                          |
| Heater or filament voltage | <b>1.25 V</b>                 | Published nominal or representative value |
| Heater or filament current | <b>125 mA</b>                 | Published nominal or representative value |
| Transconductance           | <b>1900 <math>\mu</math>S</b> | Published operating characteristic        |

| OTHER                     |                 |                          |
|---------------------------|-----------------|--------------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE         |
| Maximum plate dissipation | <b>1.1 W</b>    | Published maximum rating |