

ELECTRONIC TUBE REFERENCE

7995

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION  
CONSTRUCTION  
PENTODE

Sharp-cutoff pentode designed for RF, IF, wide-band, or high-frequency voltage-amplifier service.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 8             |
| NOMINAL HEATER      | 6.3 V / 300 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                                              |          |
|------------------------------------------------------------------------------|----------|
| SECTION1 Pentode                                                             |          |
| PLATE RESISTANCE                                                             | 100000 Ω |
| TRANSCONDUCTANCE                                                             | 0.012 S  |
| MAXIMUM PLATE VOLTAGE                                                        | 200 V    |
| MAXIMUM PLATE DISSIPATION                                                    | 1.6 W    |
| Published maximum ratings and characteristics promoted from approved source. |          |

High-transconductance sharp-cutoff subminiature pentode for wideband RF and IF amplification.

## 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

| OTHER                     |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| HeaterVoltageNominal      | 6.3 V           | Nominal          |
| HeaterCurrentNominal      | 300 mA          | Nominal          |
| Maximum Plate Voltage     | 200 V           | —                |
| Maximum Plate Dissipation | 1.6 W           | —                |

| CHARACTERISTIC   |                 |                  |
|------------------|-----------------|------------------|
| PARAMETER        | PUBLISHED VALUE | CONDITION / NOTE |
| Transconductance | 12000 $\mu$ S   | Typical          |
| Plate Resistance | 100000 ohm      | Typical          |

## TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,  
and their source documents.

[Catalog](#)   [Tube types](#)   [Full books](#)   [Blog](#)   [Feedback & corrections](#)

© 2026 Tube Tinker