



## ELECTRONIC TUBE REFERENCE

## 7B5LT

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

CONSOLIDATED TECHNICAL  
DATA

**1 SECTION**  
CONSTRUCTION  
**PENTODE**

Power/output pentode designed for low-frequency or audio-frequency output amplification.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | 6AE               | BASE PINS            | 8             |
| NOMINAL HEATER      | 6.3 V / 400 mA    | PARALLEL HEATER      | – / –         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                     |                |
|-------------------------------------------------------------------------------------|----------------|
| <b>SECTION 1</b> Pentode                                                            |                |
| PLATE RESISTANCE                                                                    | 75000 $\Omega$ |
| TRANSCONDUCTANCE                                                                    | 0.0021 S       |
| MAXIMUM PLATE VOLTAGE                                                               | 315 V          |
| MAXIMUM SCREEN VOLTAGE                                                              | 250 V          |
| MAXIMUM PLATE DISSIPATION                                                           | 8.5 W          |
| MAXIMUM SCREEN DISSIPATION                                                          | 2.8 W          |
| <i>Published ratings and characteristics promoted from the approved RCA source.</i> |                |

Power-amplifier pentode for audio-frequency output service.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1940 RCA

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

1940 RCA

## Section 1 · Pentode

| OTHER        |                 |                  |
|--------------|-----------------|------------------|
| PARAMETER    | PUBLISHED VALUE | CONDITION / NOTE |
| Power Output | 4.5 W           | ClassA;OneTube   |