

ELECTRONIC TUBE REFERENCE

502R5761

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION  
CONSTRUCTION  
TRIODE

High-power RF transmitting triode, Amperex 502-R/5761.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 7.5 V / 24 A      | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                                                  |        |
|----------------------------------------------------------------------------------|--------|
| SECTION0                                                                         | Triode |
| AMPLIFICATION FACTOR                                                             | 17     |
| MAXIMUM PLATE DISSIPATION                                                        | 1500 W |
| Class C RF operation: Va 3500 V, Ia 0.860 A, RF output 2175 W, grid bias -450 V. |        |



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1958 Amperex Industrial

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

## 1958 AMPEREX INDUSTRIAL

## Section 0 · Triode

| CHARACTERISTIC |                 |                                  |
|----------------|-----------------|----------------------------------|
| PARAMETER      | PUBLISHED VALUE | CONDITION / NOTE                 |
| Plate Voltage  | 3500 V          | Class C RF typical plate voltage |

| OTHER                   |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Heater/filament voltage | 7.5 V           | Filament voltage |
| Heater/filament current | 24 A            | Filament current |

## TUBE TINKER

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and their source documents.

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