

ELECTRONIC TUBE REFERENCE

6079

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Low-drive high-frequency transmitting tetrode for FM/AM RF amplifiers and screen-modulator stages.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 10 V / 9.7 A      | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                                                                                               |       |
|-------------------------------------------------------------------------------------------------------------------------------|-------|
| SECTION1 Tetrode                                                                                                              |       |
| AMPLIFICATION FACTOR                                                                                                          | 9.5   |
| MAXIMUM PLATE DISSIPATION                                                                                                     | 500 W |
| Electrical values extracted from the supplied source table; typical operating values are preserved in TUBE_SECTION_PARAMETER. |       |

Low-drive high-frequency transmitting tetrode for FM/AM RF amplifiers and screen-modulator stages.



## 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 1 · Tetrode

| CHARACTERISTIC                      |                 |                  |
|-------------------------------------|-----------------|------------------|
| PARAMETER                           | PUBLISHED VALUE | CONDITION / NOTE |
| Amplification factor Grid2-to-Grid1 | 9.5             | —                |
| Maximum frequency                   | 75 MHz          | —                |
| Grid-to-plate capacitance           | 0.24 pF         | —                |
| Input capacitance                   | 25 pF           | —                |
| Output capacitance                  | 7.2 pF          | —                |

| OTHER                     |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum plate dissipation | 500 W           | —                |
| Plate voltage             | 5000 V          | ClassC           |
| Plate current             | 452 mA          | ClassC           |
| Power output              | 1760 W          | ClassC           |
| Grid voltage              | -200 V          | ClassC           |
| Grid current              | 30 mA           | ClassC           |
| Screen voltage            | 700 V           | ClassC           |



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1963 Amperex Condensed

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

## 1963 AMPEREX CONDENSED

| OTHER                           |                 |                  |
|---------------------------------|-----------------|------------------|
| PARAMETER                       | PUBLISHED VALUE | CONDITION / NOTE |
| Plate voltage                   | 5000 V          | RFPowerAmplifier |
| Plate current                   | 452 mA          | RFPowerAmplifier |
| Power output                    | 1760 W          | RFPowerAmplifier |
| Control-grid voltage            | -200 V          | RFPowerAmplifier |
| Grid current                    | 30 mA           | RFPowerAmplifier |
| Screen voltage                  | 700 V           | RFPowerAmplifier |
| Maximum frequency at full input | 75 MHz          | RFPowerAmplifier |

| CAPACITANCE               |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Grid-to-plate capacitance | 0.24 pF         | Section1         |
| Input capacitance         | 25 pF           | Section1         |
| Output capacitance        | 11 pF           | Section1         |

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