



## ELECTRONIC TUBE REFERENCE

## 7D21

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL  
DATA

**1 SECTION**  
CONSTRUCTION  
**TETRODE**

Forced-air-cooled high-power transmitting tetrode designed for Class-C RF amplifier and oscillator service. Its construction supports substantial professional radio-frequency output.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 24 A      | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                               |        |
|---------------------------------------------------------------------------------------------------------------|--------|
| <b>SECTION1</b> Tetrode                                                                                       |        |
| AMPLIFICATION FACTOR                                                                                          | 8      |
| MAXIMUM PLATE VOLTAGE                                                                                         | 4000 V |
| MAXIMUM PLATE DISSIPATION                                                                                     | 1200 W |
| <i>Published source values promoted where applicable; additional published values retained as parameters.</i> |        |

Forced-air-cooled high-power transmitting tetrode for Class-C RF amplifier and oscillator service.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1950 General Electric Transmitting Types

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

## 1950 GENERAL ELECTRIC TRANSMITTING TYPES

## Section 1 · Tetrode

| OTHER                          |                 |                  |
|--------------------------------|-----------------|------------------|
| PARAMETER                      | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum full-rating frequency  | 110 MHz         | —                |
| Plate power output approximate | 1575 W          | ClassC           |

| CONSTRUCTION   |                 |                  |
|----------------|-----------------|------------------|
| PARAMETER      | PUBLISHED VALUE | CONDITION / NOTE |
| Cooling method | Forced air      | —                |