



## ELECTRONIC TUBE REFERENCE

## 715B

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

CONSOLIDATED TECHNICAL  
DATA

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

Special-purpose pulse tetrode designed for high-speed pulse amplification and switching applications requiring substantially greater instantaneous voltage and current than ordinary receiving tetrodes.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 26 V / 2 A        | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

| SECTION 1 Tetrode                                                   |         |
|---------------------------------------------------------------------|---------|
| MAXIMUM PLATE VOLTAGE                                               | 15000 V |
| MAXIMUM SCREEN VOLTAGE                                              | 1250 V  |
| MAXIMUM PLATE DISSIPATION                                           | 60 W    |
| MAXIMUM SCREEN DISSIPATION                                          | 8 W     |
| MAXIMUM GRID DISSIPATION                                            | 1 W     |
| <i>Published ratings/characteristics promoted where applicable.</i> |         |

Special-purpose pulse tetrode equivalent to American type 715B.

## SOURCE OPERATING CONDITIONS

# 1946 Standard Telephone and Cables

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

## 1946 STANDARD TELEPHONE AND CABLES

## Section 1 · Tetrode

| OTHER                              |                 |                           |
|------------------------------------|-----------------|---------------------------|
| PARAMETER                          | PUBLISHED VALUE | CONDITION / NOTE          |
| Input capacitance                  | 375 pF          | Published datasheet value |
| Output capacitance                 | 75 pF           | Published datasheet value |
| Anode-grid capacitance             | 2 pF            | Published datasheet value |
| Maximum peak anode current         | 15 A            | Published datasheet value |
| Maximum negative grid voltage      | 1 kV            | Published datasheet value |
| Maximum peak positive grid voltage | 300 V           | Published datasheet value |
| Maximum peak grid current          | 2 A             | Published datasheet value |

## TUBE TINKER

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

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