

ELECTRONIC TUBE REFERENCE

8525

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Micro-metal miniature medium-mu twin triode intended for high-frequency and ruggedized applications, combining compact metal construction with paired amplifier sections.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 300 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                                                                                                                                                                         |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SECTION1 Triode                                                                                                                                                                                         |          |
| PLATE RESISTANCE                                                                                                                                                                                        | 6500 Ω   |
| TRANSCONDUCTANCE                                                                                                                                                                                        | 0.0054 S |
| AMPLIFICATION FACTOR                                                                                                                                                                                    | 35       |
| MAXIMUM PLATE VOLTAGE                                                                                                                                                                                   | 165 V    |
| MAXIMUM PLATE DISSIPATION                                                                                                                                                                               | 0.7 W    |
| MAXIMUM CATHODE CURRENT                                                                                                                                                                                 | 22 mA    |
| Promoted fields are used only where the published value maps cleanly to the locked schema; device-specific microwave, pulse, photoelectric, camera, and indicator data are preserved as parameter rows. |          |

|                                                                               |               |
|-------------------------------------------------------------------------------|---------------|
| <b>SECTION2</b> Triode                                                        |               |
| <b>PLATE RESISTANCE</b>                                                       | 6500 $\Omega$ |
| <b>TRANSCONDUCTANCE</b>                                                       | 0.0054 S      |
| <b>AMPLIFICATION FACTOR</b>                                                   | 35            |
| <b>MAXIMUM PLATE VOLTAGE</b>                                                  | 165 V         |
| <b>MAXIMUM PLATE DISSIPATION</b>                                              | 0.7 W         |
| <b>MAXIMUM CATHODE CURRENT</b>                                                | 22 mA         |
| <i>Second physical triode section; added to align rows with SectionCount.</i> |               |

Medium-mu twin triode of micro-metal miniature construction for high-frequency and ruggedized applications.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1964 RMA EIA

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

1964 RMA EIA

## Section 1 · Triode

| CHARACTERISTICS      |                 |                    |
|----------------------|-----------------|--------------------|
| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE   |
| Plate voltage        | 100 V           | ClassA;EachSection |
| Cathode resistor     | 150 0hm         | ClassA;EachSection |
| Amplification factor | 35 ratio        | ClassA;EachSection |
| Plate resistance     | 6500 0hm        | ClassA;EachSection |
| Transconductance     | 5400 uS         | ClassA;EachSection |
| Plate current        | 6.5 mA          | ClassA;EachSection |

| OTHER                     |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Plate voltage maximum     | 165 V           | EachSection      |
| Plate current maximum     | 22 mA           | EachSection      |
| Grid current maximum      | 5.5 mA          | EachSection      |
| Plate dissipation maximum | 0.7 W           | EachSection      |

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