

ELECTRONIC TUBE REFERENCE

6042

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Ruggedized medium-mu double triode for Class-A amplifier service, providing two similar sections with moderate gain and conservative ratings for dependable operation.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | 8BD               | BASE PINS            | 8             |
| NOMINAL HEATER      | 25 V / 150 mA     | PARALLEL HEATER      | – / –         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

8BD - TERMINAL PINOUT

| TERMINAL   | SECTION | ELEMENT           | STATUS    |
|------------|---------|-------------------|-----------|
| PIN1 – 2G1 | B       | G1 – Control Grid | CONNECTED |
| PIN2 – 2P  | B       | P – Plate (Anode) | CONNECTED |
| PIN3 – 2K  | B       | K – Cathode       | CONNECTED |
| PIN4 – 1G1 | A       | G1 – Control Grid | CONNECTED |
| PIN5 – 1P  | A       | P – Plate (Anode) | CONNECTED |
| PIN6 – 1K  | A       | K – Cathode       | CONNECTED |
| PIN7 – H   | –       | H – Heater        | CONNECTED |
| PIN8 – H   | –       | H – Heater        | CONNECTED |

SECTION RATINGS

| SECTION1 Triode                                           |               |
|-----------------------------------------------------------|---------------|
| PLATE RESISTANCE                                          | 9100 $\Omega$ |
| TRANSCONDUCTANCE                                          | 0.0022 S      |
| AMPLIFICATION FACTOR                                      | 20            |
| MAXIMUM PLATE VOLTAGE                                     | 250 V         |
| MAXIMUM PLATE DISSIPATION                                 | 2.25 W        |
| <i>Published source values promoted where applicable.</i> |               |

| SECTION2 Triode                                                             |               |
|-----------------------------------------------------------------------------|---------------|
| PLATE RESISTANCE                                                            | 9100 $\Omega$ |
| TRANSCONDUCTANCE                                                            | 0.0022 S      |
| AMPLIFICATION FACTOR                                                        | 20            |
| MAXIMUM PLATE VOLTAGE                                                       | 250 V         |
| MAXIMUM PLATE DISSIPATION                                                   | 2.25 W        |
| <i>Second physical triode section; electrically identical twin section.</i> |               |

Ruggedized double triode; description derived from the supplied registration datasheet.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 195X General Electric Essential Characteristics

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

## 195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

## Section 1 · Triode

| OTHER                |                 |                   |
|----------------------|-----------------|-------------------|
| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE  |
| Plate voltage        | 250 V           | ClassA;PerSection |
| Control-grid bias    | -9 V            | ClassA;PerSection |
| Plate current        | 6.5 mA          | ClassA;PerSection |
| Plate resistance     | 9100 ohm        | ClassA;PerSection |
| Transconductance     | 2200 uS         | ClassA;PerSection |
| Amplification factor | 20              | ClassA;PerSection |

## 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