

ELECTRONIC TUBE REFERENCE

6063

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Ruggedized full-wave rectifier for reliable power-supply service. Its indirectly heated construction and strengthened design suit demanding operating environments while retaining conventional full-wave vacuum rectification.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | 5BS               | BASE PINS            | 7             |
| NOMINAL HEATER      | 6.3 V / 600 mA    | PARALLEL HEATER      | – / –         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

5BS - TERMINAL PINOUT

| TERMINAL  | SECTION | ELEMENT           | STATUS    |
|-----------|---------|-------------------|-----------|
| PIN1 – P2 | A       | P – Plate (Anode) | CONNECTED |
| PIN3 – H  | –       | H – Heater        | CONNECTED |
| PIN4 – H  | –       | H – Heater        | CONNECTED |
| PIN6 – P1 | A       | P – Plate (Anode) | CONNECTED |
| PIN7 – K  | A       | K – Cathode       | CONNECTED |

SECTION RATINGS

|                                                    |        |
|----------------------------------------------------|--------|
| SECTION1 Rectifier                                 |        |
| PEAK INVERSE VOLTAGE                               | 1250 V |
| NOMINAL OUTPUT CURRENT                             | 70 mA  |
| PEAK FORWARD CURRENT                               | 290 mA |
| Published source values promoted where applicable. |        |

|                                                                                                              |        |
|--------------------------------------------------------------------------------------------------------------|--------|
| <b>SECTION2</b> Rectifier                                                                                    |        |
| <b>PEAK INVERSE VOLTAGE</b>                                                                                  | 1250 V |
| <b>NOMINAL OUTPUT CURRENT</b>                                                                                | 70 mA  |
| <b>PEAK FORWARD CURRENT</b>                                                                                  | 290 mA |
| <i>Second physical rectifier section; electrical properties populated from applicable published ratings.</i> |        |

Ruggedized full-wave rectifier; description derived from the supplied registration datasheet.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1954 STC Brimar

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

## 1954 STC BRIMAR

## Section 1 · Rectifier

| OTHER                                         |                 |                      |
|-----------------------------------------------|-----------------|----------------------|
| PARAMETER                                     | PUBLISHED VALUE | CONDITION / NOTE     |
| Capacitor-input RMS voltage per plate maximum | 325 V           | CapacitorInputFilter |
| Choke-input RMS voltage per plate maximum     | 450 V           | ChokeInputFilter     |

## 1954 STC BRIMAR

## Section 2 · Rectifier

| OTHER                                         |                 |                      |
|-----------------------------------------------|-----------------|----------------------|
| PARAMETER                                     | PUBLISHED VALUE | CONDITION / NOTE     |
| Capacitor-input RMS voltage per plate maximum | 325 V           | CapacitorInputFilter |



## SOURCE OPERATING CONDITIONS

# 1955 Lorenz

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

## 1955 LORENZ

## Section 1 · Rectifier

| CONSTRUCTION            |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Ruggedized construction | TRUE            | —                |

| OTHER                         |                 |                  |
|-------------------------------|-----------------|------------------|
| PARAMETER                     | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum peak inverse voltage  | 1250 V          | —                |
| Maximum peak anode current    | 210 mA          | —                |
| Maximum reservoir capacitance | 32 uF           | —                |

1955 LORENZ

## Section 2 · Rectifier

| CONSTRUCTION            |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Ruggedized construction | TRUE            | —                |

| OTHER                         |                 |                  |
|-------------------------------|-----------------|------------------|
| PARAMETER                     | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum peak inverse voltage  | 1250 V          | —                |
| Maximum peak anode current    | 210 mA          | —                |
| Maximum reservoir capacitance | 32 uF           | —                |


SOURCE DATA APPENDIX

### 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 · Rectifier

| CHARACTERISTIC          |                 |                                  |
|-------------------------|-----------------|----------------------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE                 |
| Heater/filament voltage | 6.3 V           | Published heater/filament rating |
| Heater/filament current | 600 mA          | Published heater/filament rating |

| OTHER                        |                 |                  |
|------------------------------|-----------------|------------------|
| PARAMETER                    | PUBLISHED VALUE | CONDITION / NOTE |
| DC output current            | 70 mA           | RectifierService |
| Peak inverse voltage         | 1250 V          | RectifierService |
| RMS supply voltage per plate | 325 V           | RectifierService |
| Peak current per plate       | 210 mA          | RectifierService |