



## ELECTRONIC TUBE REFERENCE

## GL833A

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**  
CONSTRUCTION  
**TRIODE**

General Electric transmitting triode for RF and audio power service. Approximately 300 W plate dissipation and 3 kV capability support substantial push-pull amplifier and transmitter applications.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 10 V / 10 A       | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                     |        |
|-------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>SECTION1</b> Triode                                                                                                              |        |
| AMPLIFICATION FACTOR                                                                                                                | 35     |
| MAXIMUM PLATE VOLTAGE                                                                                                               | 4000 V |
| MAXIMUM PLATE DISSIPATION                                                                                                           | 400 W  |
| <i>Promoted fields mapped from printed ratings/characteristics headings; specialized published data retained in parameter rows.</i> |        |

High-power transmitting triode for amplifier, oscillator, and Class-B modulator service.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

## Section 1 · Triode

| OTHER                                       |                 |                                                                                                               |
|---------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------|
| PARAMETER                                   | PUBLISHED VALUE | CONDITION / NOTE                                                                                              |
| Effective load, plate to plate. 9500 12000  | 11000 ohms      | Effective load, plate to plate. 9500 12000 11000 ohms                                                         |
| Load resistance, pertube. . . . . 2375 3000 | 2750 ohms       | Load resistance, pertube. . . . . 2375 3000 2750 ohms                                                         |
| 4000 3600                                   | 3600 ohms       | 4000 3600 3600 ohms                                                                                           |
| D-c grid current, approx                    | 75 A            | D-c grid current, approx... . . . . 75 A 85A 90 A 100 100 100 milliamperes                                    |
| 3500 2650                                   | 2400 ohms       | 3500 2650 2400 ohms                                                                                           |
| 425 380                                     | 380 ohms        | 425 380 380 ohms                                                                                              |
| D-c grid current, approx                    | 55 A            | D-c grid current, approx..... 55A 75 A 95 A 100 100 100 milliamperes                                          |
| of                                          | 40 cfm          | of 40 cfm from a two-inch diameter nozzle directed vertically downward on bulb between grid and plate sealsis |