

ELECTRONIC TUBE REFERENCE

GL5518

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

CONSOLIDATED TECHNICAL DATA  
1 SECTION  
CONSTRUCTION  
TRIODE

Medium-mu General Electric transmitting triode for substantial Class C RF power amplification. Approximately 4 kW plate dissipation and 7 kV capability support several kilowatts of grounded-filament or grounded-grid transmitter output.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 235 A     | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                                                   |        |
|-----------------------------------------------------------------------------------|--------|
| SECTION1 Triode                                                                   |        |
| AMPLIFICATION FACTOR                                                              | 21     |
| MAXIMUM PLATE VOLTAGE                                                             | 7000 V |
| MAXIMUM PLATE DISSIPATION                                                         | 4000 W |
| MAXIMUM CATHODE CURRENT                                                           | 1.3 A  |
| Forced-air-cooled transmitting triode; Class-C absolute maximum ratings promoted. |        |

The GL-5518 is a three-electrode transmitting tube designed for Class-C radio-frequency amplifier service, with a forced-air-cooled anode and ratings to 110 MHz.

## 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 |
|------------------|-----------------|------------------|
| DC Plate Voltage | 6600 V          | ClassC           |

**CHARACTERISTIC**

| PARAMETER        | PUBLISHED VALUE | CONDITION / NOTE |
|------------------|-----------------|------------------|
| DC Plate Current | 1.3 A           | ClassC           |
| Driving Power    | 180 W           | GroundedFilament |
| Power Output     | 6.5 kW          | GroundedFilament |
| Power Output     | 7.5 kW          | GroundedGrid     |

**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