



ELECTRONIC TUBE REFERENCE

GL502A

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Gas-filled grid-controlled thyatron for controlled rectification, relay, industrial control, oscillator, or pulse-switching service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 0 Thyatron	
MAXIMUM PLATE VOLTAGE	650 V
MAXIMUM CATHODE CURRENT	100 mA
PEAK INVERSE VOLTAGE	1300 V
Double-grid inert-gas thyatron; forward/inverse peak anode ratings and average anode current promoted.	

The GL-502-A is an inert-gas-filled double-grid thyatron with negative-control characteristics, high sensitivity, compact size, and operation over a wide ambient-temperature range.



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 0 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Instantaneous Anode Current	500 mA	—
Surge Anode Current	10 A	DesignOnly
Control-Grid Voltage Before Conduction	-200 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Voltage Drop	11 V	Typical

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