



ELECTRONIC TUBE REFERENCE

GL414

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THYRATRON

All-metal hot-cathode mercury-vapor thyatron for efficient, mechanically rugged industrial power-control applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	5 V / 20 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 0 Thyatron	
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM CATHODE CURRENT	12.5 A
PEAK INVERSE VOLTAGE	2000 V
<i>Mercury-vapor thyatron; peak forward/inverse anode ratings and average anode current promoted.</i>	

The GL-414 is a hot-cathode mercury-vapor all-metal thyatron combining low voltage drop, high efficiency, mechanical strength, and ease of installation for industrial applications.

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 25 Cycles and Above	100 A	—
Instantaneous Anode Current Below 25 Cycles	25 A	—
Surge Anode Current	1500 A	DesignOnly

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Voltage Drop	16 V	Typical