

ELECTRONIC TUBE REFERENCE

GL1

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Mercury-argon thyatron for heavy controlled-power switching. Its high heater demand supports substantial gas-discharge current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	25 V / 7 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	1250 V
MAXIMUM CATHODE CURRENT	1.5 A
Directly heated mercury-argon thyatron section.	

The Ferranti GL1 is a directly heated mercury-argon triode thyatron for controlled high-current switching.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Ferranti

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

1963 FERRANTI

Section 1 · Thyatron

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	25 V	—
Filament Current	7 A	—
Minimum Heating Time	15 s	—
Peak Voltage Drop	16 V	—
Minimum Grid Circuit Resistance	1000 ohm	—
Grid-to-Anode Capacitance	8 pF	—
Grid-to-Filament Capacitance	5.8 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Peak Forward Anode Voltage	1250 V	—
Maximum Peak Inverse Anode Voltage	1250 V	—
Maximum Peak Anode Current	6 A	—
Maximum Mean Anode Current	1.5 A	—
Maximum Instantaneous Grid Current	50 mA	—
Maximum Power Supply Frequency	400 Hz	—