

ELECTRONIC TUBE REFERENCE

FG172

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Double-grid mercury-vapor industrial thyatron for substantial controlled-power service. Grid triggering initiates low-drop mercury-discharge conduction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 10 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION0 Thyatron	
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM CATHODE CURRENT	2.5 A
Thyatron. Forward peak anode maximum and continuous-service average anode current promoted; inverse/grid/surge ratings preserved as parameters.	

The FG-172 is a double-grid mercury-vapor thyatron for high-impedance, low-grid-power control applications; its all-metal construction provides a sturdy tube for industrial 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 0 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Anode Voltage	2000 V	ContinuousService
Instantaneous Anode Current	40 A	25CyclesAndAbove ContinuousService
Surge Anode Current	400 A	DesignOnly

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Voltage Drop	16 V	Typical
Ionization Time	10 us	Approximate
Deionization Time	1000 us	Approximate