



ELECTRONIC TUBE REFERENCE

FG27A

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

Negative-control mercury-vapor thyatron for relay circuits. Grid triggering initiates low-drop gas conduction for substantial switching.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 4.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION0 Thyatron	
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM CATHODE CURRENT	2.5 A
Thyatron. Forward peak anode maximum and average anode current promoted.	

The FG-27-A is a negative-control mercury-vapor thyatron requiring little grid power and suitable for relay circuits where current flow is desired in the absence of grid excitation.



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	1000 V	—
Instantaneous Anode Current	10 A	25CyclesAndAbove
Surge Anode Current	180 A	DesignOnly

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

TUBE TINKER

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and their source documents.

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