ELECTRONIC TUBE REFERENCE

FG81A

Specialized - Thyratron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

Inert-gas negative-control thyratron for industrial power control. Grid triggering initiates controlled gas-discharge conduction.

General characteristics

BASE DESIGNATION	_	**BASE PINS**	_
NOMINAL HEATER	2.5 V / 5 A	**PARALLEL HEATER**	– / –
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION 0 Thyratron

MAXIMUM PLATE VOLTAGE	500 V
MAXIMUM CATHODE CURRENT	500 mA

Thyratron. Forward peak anode maximum and average anode current promoted.

The FG-81-A is an inert-gas-filled thyratron with a negative control characteristic for applications requiring current flow in the absence of grid excitation over varying ambient temperature.

SOURCE OPERATING CONDITIONS

1968 General Electric Co

SOURCE PDF

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

1968 GENERAL ELECTRIC CO

Section 0 · Thyratron

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Anode Voltage	**500 V**	—
Instantaneous Anode Current	**2 A**	25CyclesAndAbove
Surge Anode Current	**40 A**	DesignOnly

CHARACTERISTIC

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

TUBE TINKER

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