



ELECTRONIC TUBE REFERENCE

FG238B

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IGNITRONPOWERSWITCH

Water-cooled ignitron for industrial power rectifiers and welding control. Its controlled mercury discharge handles very high current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 IgnitronPowerSwitch	
PEAK INVERSE VOLTAGE	2100 V
NOMINAL OUTPUT CURRENT	150 mA
PEAK FORWARD CURRENT	1200 A
Ignitron. Higher-voltage 2100-V rectifier-service column promoted; alternate 900-V / higher-current column preserved as parameters.	

The FG-238-B is a steel-jacketed water-cooled ignitron for 125-, 250-, 600-, and 900-volt DC power rectifiers and resistance-welder-control service, with very high current capability.



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 1 · IgnitronPowerSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Alternate Rectifier Peak Anode Voltage	900 V	RectifierService HighCurrentColumn
Alternate Continuous Average Anode Current	200 A	RectifierService 900VColumn
Alternate Instantaneous Anode Current	1800 A	RectifierService 900VColumn
Surge Current	9000 A	RectifierService 2100VColumn 0.15Second
Minimum Water Flow	3 gal/min	ContinuousAverageCurrent

TUBE TINKER

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