

High-current water-cooled ignitron for resistance-welder control. Its mercury-pool discharge switches enormous industrial welding currents.

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

No fixed ratings recorded.

Ignitron. Datasheet's primary maximum-rating table is welder-control service rather than rectifier service; applicable welder values are preserved as parameters rather than mis-promoted.

The FG-258-A is a steel-jacketed water-cooled ignitron designed for high-current resistance-welder-control service and related industrial switching applications.



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
Welder Maximum Demand	2400 kVA	WelderControl 250to600Vrms
Welder Maximum Average Anode Current	355 A	WelderControl
Ignitor Allowed Positive Voltage	900 V	Ignition

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Corresponding Average Anode Current at Maximum Demand	192 A	WelderControl
Ignitor Required Positive Voltage	200 V	Ignition

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