

ELECTRONIC TUBE REFERENCE

5788

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IGNITRONPOWERSWITCH

Permanently sealed water-cooled ignitron for heavy industrial rectifier and AC-control service. Its mercury-discharge switching action handles hundreds of amperes continuously and enormous short-duration 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	
PEAK INVERSE VOLTAGE	2100 V
NOMINAL OUTPUT CURRENT	150 A
PEAK FORWARD CURRENT	9000 A
Ignitron rectifier; higher-voltage power-rectifier rating column promoted. Currents are amperes.	

The 5788 is a permanently sealed water-cooled rectifier ignitron for industrial rectifier and AC-control service, designed for high-current operation.

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
Peak Forward Anode Voltage	2100 V	PowerRectifier HigherVoltageColumn
Continuous Average Anode Current	150 A	PowerRectifier HigherVoltageColumn
One-Minute Average Anode Current	300 A	PowerRectifier HigherVoltageColumn
Surge Current	9000 A	PowerRectifier HigherVoltageColumn

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignitor Voltage Required to Fire	450 V	—
Ignitor Current Required to Fire	55 A	—