

ELECTRONIC TUBE REFERENCE

6514

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IGNITRONPOWERSWITCH

Permanently sealed water-cooled mercury-pool ignitron for industrial 300-900 V DC rectifier circuits.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 IgnitronPowerSwitch	
MAXIMUM PLATE VOLTAGE	2100 V
Ignitron/control-rectifier section; schema has no dedicated Ignitron SectionType, so Other is used. Published rectifier ratings preserved in parameters.	

Permanently sealed water-cooled rectifier ignitron for 300, 600, and 900 V dc industrial rectifier circuits, with integral temperature-control and protective features.

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 inverse anode voltage	2100 V	PowerRectifier
Peak forward anode voltage	2100 V	PowerRectifier
Peak anode current	1800 A	900VClass
Continuous average anode current	200 A	900VClass
Surge anode current	12000 A	900VClass

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Arc drop at 600 A peak	16.2 V	—