

ELECTRONIC TUBE REFERENCE

7672

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IGNITRONPOWERSWITCH

Water-cooled coaxial ignitron for frequency-changer welding service. Its controlled mercury-discharge construction handles very high peak 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; water-cooled coaxial welding-control tube.

Sealed stainless-steel-jacketed, water-cooled coaxial ignitron for frequency-changer welder service. Two tubes in inverse parallel can control high peak current, and the coaxial current path reduces magnetic arc deflection.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · IgnitronPowerSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak anode voltage forward maximum	1500 V	Published datasheet value
Peak anode voltage inverse maximum	1500 V	Published datasheet value
Peak anode current maximum	1500 A	Welding
Average anode current maximum	70 A	Welding

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignitor firing voltage	200 V	Published datasheet value
Ignitor firing current	30 A	Published datasheet value



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 anode current	1500 A	Frequency-changer welder service

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Arc drop at 1500 A peak	25 V	—

TUBE TINKER

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and their source documents.

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