



ELECTRONIC TUBE REFERENCE

AJ5551A

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IGNITRONPOWERSWITCH

Water-cooled thermostatically controlled ignitron for high-power industrial switching. Thermal regulation supports reliable heavy-current mercury-discharge operation.

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	
MAXIMUM CATHODE CURRENT	56 A
Ignitron; represented as Thyatron in canonical TubeType and Other in canonical SectionType.	

Water-cooled ignitron with thermostat for high-power industrial switching.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 AEG

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

1953 AEG

Section 1 · IgnitronPowerSwitch

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Water	—
Thermostat	Present	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum switching capacity	600 kVA	AntiParallelPair
Average anode current	56 A	At200kVA
Surge current maximum	6500 A	0.15sAt250V
Anode voltage maximum	600 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Arc drop	13 V	—

TUBE TINKER

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