



ELECTRONIC TUBE REFERENCE

AJ5553B

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IGNITRONPOWERSWITCH

Water-cooled mercury-pool ignitron designed for industrial AC power and resistance-welding control, providing controlled switching of very large 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

SECTION 1 IgnitronPowerSwitch*No fixed ratings recorded.**Mercury-pool ignitron switching section.*

Water-cooled mercury-pool ignitron for industrial AC power and welding control.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum conducting capacity	2400 kVA	TwoTubesInverseParallel
Maximum average anode current	355 A	800kVA
Maximum anode voltage	600 V	—
Minimum anode voltage	220 V	—
Cooling water flow	12 L/min	FullLoad