

ELECTRONIC TUBE REFERENCE

5553B

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IGNITRONPOWERSWITCH

Thermostatically controlled ignitron for heavy industrial power switching. Its mercury-pool discharge path handles very high current while thermal control maintains suitable operating conditions.

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.
Published ratings and operating/characteristic data reviewed.

5553B is listed in the supplied Amperex material as a thermostatically controlled ignitron. Published ratings and operating characteristics were captured from the supplied table.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · IgnitronPowerSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS voltage minimum	250 V	ThermostaticallyControlledIgnitron
RMS voltage maximum	600 V	ThermostaticallyControlledIgnitron
Maximum KVA demand	2400 kVA	ThermostaticallyControlledIgnitron
Corresponding average current	192 A	ThermostaticallyControlledIgnitron
Maximum average-current KVA demand	800 kVA	ThermostaticallyControlledIgnitron
Maximum average current	355 A	ThermostaticallyControlledIgnitron
Cooling	Water	ThermostaticallyControlledIgnitron

TUBE TINKER

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