

Water-cooled sensing-plate ignitron for industrial welder control. This heavy-current mercury-discharge device combines rectification with controlled switching in resistance-welding power systems.

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

SECTION 1 IgnitronPowerSwitch

No fixed ratings recorded.

Promoted only where the locked section schema has a direct semantic match; remaining transmitting, receiving, thyatron, ignitron, capacitance, and control data are retained in TUBE_SECTION_PARAMETER.

Water-cooled sensing-plate ignitron for welder-control service; electrically based on the corresponding 5551 family.

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 range	250-600 V	Ignitron;WelderControl
Maximum KVA demand	600 kVA	Ignitron;WelderControl
Corresponding average current	30.2 A	Ignitron;WelderControl
Maximum average-current corresponding KVA demand	200 kVA	Ignitron;WelderControl
Corresponding current	56 A	Ignitron;WelderControl
Cooling	Water	Ignitron

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