ELECTRONIC TUBE REFERENCE

AX5552

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
IGNITRONPOWERSWITCH

Water-cooled sensing-plate ignitron for high-current industrial welder control. Its mercury-discharge construction provides controlled heavy-current switching and rectification.

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

SECTION1 IgnitronPowerSwitch

No fixed ratings recorded.

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

Water-cooled sensing-plate ignitron for high-current welder-control service.

SOURCE OPERATING CONDITIONS

1963 Amperex Condensed

SOURCE PDF

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	**1200 kVA**	Ignitron;WelderControl
Corresponding average current	**75.6 A**	Ignitron;WelderControl
Maximum average-current corresponding KVA demand	**400 kVA**	Ignitron;WelderControl
Corresponding current	**140 A**	Ignitron;WelderControl
Cooling	**Water**	Ignitron

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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