

ELECTRONIC TUBE REFERENCE

5822

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IGNITRONPOWERSWITCH

Water-cooled ignitron for industrial resistance-welder control. This heavy-current mercury-discharge device combines rectification with controlled switching for demanding 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

SECTION1 IgnitronPowerSwitch

No fixed ratings recorded.

Promoted only where the locked section schema has a direct semantic match; device-specific thyratron, magnetron, transmitting-tube, ignitron, and broadband data are retained in TUBE_SECTION_PARAMETER.

Water-cooled ignitron for welder-control service; the source also lists an insulated coated 5822/P version with the same electrical ratings.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Amperex Industrial

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

1958 AMPEREX INDUSTRIAL

Section 1 · IgnitronPowerSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS voltage minimum	220 V	Ignitron;WelderControl
RMS voltage maximum	600 V	Ignitron;WelderControl
Maximum KVA demand	424 kVA	Ignitron;WelderControl
Corresponding average current	20 A	Ignitron;WelderControl
Maximum average-current corresponding KVA demand	188 kVA	Ignitron;WelderControl
Corresponding current	70 A	Ignitron;WelderControl
Cooling	Water	Ignitron

TUBE TINKER

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