ELECTRONIC TUBE REFERENCE

8306

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
IGNITRONPOWERSWITCH

Sealed ignitron designed for low-inductance high-current capacitor-discharge circuits, switching pulses up to approximately 15 kV and 35 kA.

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

MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM CATHODE CURRENT	600 mA
PEAK INVERSE VOLTAGE	15000 V
PEAK FORWARD CURRENT	35000 A

Published electrical limits and characteristics promoted from the approved source; non-schema quantities are retained in TUBE_SECTION_PARAMETER.

Sealed ignitron for low-inductance high-current capacitor-discharge circuits up to 15 kV and 35 kA.

SOURCE OPERATING CONDITIONS

1947 Westinghouse

SOURCE PDF

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

1947 WESTINGHOUSE

Section 1 · IgnitronPowerSwitch

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
MaximumPlateOrOperatingVoltage	**15000 V**	—
Maximum Cathode Current	**600 mA**	—
Maximum Peak Inverse Voltage	**15000 V**	—
MaximumPeakForwardCurrent	**35000 A**	—
CoulombsPerDischargeMaximum	**18.6 A*s**	—
RepetitionRateMaximum	**2 per minute**	—

TUBE TINKER

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

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