

Ignitron-type gas switching tube for radar pulsing service. Its controlled discharge handles high-voltage pulse switching in radar modulator and related circuits.

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	9000 V
MAXIMUM CATHODE CURRENT	500 mA
PEAK INVERSE VOLTAGE	2000 V
PEAK FORWARD CURRENT	400 A
<i>Published electrical limits promoted from the source. Passive microwave reference cavities have their electrical frequency/Q values in TUBE_SECTION_PARAMETER because no applicable promoted frequency field exists in the fixed section schema.</i>	

Ignitron-type gas switching tube for radar pulsing service with 9 kV peak forward-voltage capability.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Westinghouse

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
MaximumElectrodeOrAnodeVoltage	9000 V	—
MaximumCurrent	500 mA	—
MaximumInverseVoltage	2000 V	—
MaximumPeakForwardCurrent	400 A	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
IgnitorVoltage	900 V	—
IgnitorCurrent	200 A	—
PulseRate	135 Hz	—

TUBE TINKER

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and their source documents.

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