

Mercury-cathode ignitron for high-current switching in timing devices, welding controls, X-ray equipment, magnetizing circuits, and accelerator systems.

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

No fixed ratings recorded.

Ignitron special-purpose ratings do not map cleanly to the standard promoted active-tube fields.

Mercury-cathode ignitron used as a high-current switching element in timing devices, welding controls, X-ray equipment, magnetizing circuits and accelerator systems.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

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

195X TESLA

Section 1 · IgnitronPowerSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Arc voltage	15 V	Published English-language source table
Ignitor current maximum	5 A	Published English-language source table
Ignitor voltage maximum	300 V	Published English-language source table
Maximum frequency	1000 Hz	Published English-language source table

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tesla Tubes

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

1966 TESLA TUBES

Section 1 · IgnitronPowerSwitch

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Arc voltage	15 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum ignitor current	5 A	—
Maximum surge current	1000 A	Two cycles at 50 Hz
Maximum ignitor voltage	300 V	—
Maximum repetition frequency	1000 Hz	—
Maximum ambient temperature	30 degC	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum ambient temperature	15 degC	—

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker