

ELECTRONIC TUBE REFERENCE

PL5544

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IGNITRONPOWERSWITCH

Directly heated xenon-filled thyatron triode for motor control and ignitron-firing service. Its heavy filament supports substantial controlled current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 12 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 IgnitronPowerSwitch	
MAXIMUM CATHODE CURRENT	3.2 A
<i>Promoted only where the locked schema has a direct semantic match; additional CRT, regulator, thyatron, pulse, capacitance, and operating values are retained in TUBE_SECTION_PARAMETER.</i>	

Directly heated xenon-filled thyatron triode for motor control and ignitron-firing service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V3

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V3

Section 1 · IgnitronPowerSwitch

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Arc voltage drop	12 V	Thyratron
Ionization time	10 μ s	Thyratron
Deionization time	40 μ s	Thyratron
Deionization time at alternate grid condition	400 μ s	GridBiasAlternate

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak forward anode voltage maximum	1500 V	Thyratron
Peak inverse anode voltage maximum	1500 V	Thyratron
Peak cathode/anode current maximum	40 A	Thyratron
Average cathode/anode current maximum	3.2 A	Thyratron
Surge current maximum	560 A	0.1Second

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gas/fill	Xenon	Thyratron

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · IgnitronPowerSwitch

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	2.5 V	—
Heater current	12 A	—
Heating : direct Vf	5 a	Heating : direct Vf = 2,5 V + 5%
Capacitances Cag	0.8 a	Capacitances Cag = 0,8 pPF
Capacités c B 45 pF	45 a	Capacités c B 45 pF
Tyopical characteristics Varc	12 a	Tyopical characteristics Varc = 12 V

TUBE TINKER

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