

ELECTRONIC TUBE REFERENCE

PL3C23

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Directly heated mercury-vapor and inert-gas thyatron triode with negative-control characteristic for industrial power switching.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 7 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM CATHODE CURRENT	1.6 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 mercury-vapor/inert-gas thyatron triode with negative-control characteristic.



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 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Arc voltage drop	12 V	Thyatron
Ionization time	10 μ s	Thyatron
Deionization time	1000 μ s	Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak forward anode voltage maximum	1500 V	Thyatron
Peak inverse anode voltage maximum	1500 V	Thyatron
Peak cathode/anode current maximum	6.4 A	Thyatron
Average cathode/anode current maximum	1.6 A	Thyatron
Surge current maximum	120 A	0.1Second

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gas/fill	Mercury vapor and inert gas	Thyatron



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 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Warm-up time	30 s	—
Anode-grid capacitance	3.8 pF	—