

ELECTRONIC TUBE REFERENCE

PL105

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

Mercury-vapor tetrode thyatron for controlled rectification, motor-speed control, switching, furnace and lamp control, and resistance welding.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 10 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM CATHODE CURRENT	6.4 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>	

Mercury-vapor tetrode thyatron for controlled rectification, motor-speed control, switching, furnace/lamp control, and resistance welding.

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	2500 V	Thyatron
Peak inverse anode voltage maximum	2500 V	Thyatron
Peak cathode/anode current maximum	40 A	Thyatron
Average cathode/anode current maximum	6.4 A	Thyatron

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

TUBE TINKER

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

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