

ELECTRONIC TUBE REFERENCE

PL2D21

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

Gas-filled tetrode thyatron for relay service, electronic timers, stabilized rectifiers, and grid-controlled rectifiers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM CATHODE CURRENT	100 mA
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.	

Gas-filled tetrode thyatron for relay service, electronic timers, stabilized and grid-controlled rectifiers.

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	8 V	Thyratron
Ionization time	0.5 μ s	Thyratron
Deionization time	35 μ s	Thyratron
Critical grid current	0.5 μ A	Va460V;Ia0.1A

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak forward anode voltage maximum	650 V	Thyratron
Peak inverse anode voltage maximum	1300 V	Thyratron
Peak cathode/anode current maximum	500 mA	Thyratron
Average cathode/anode current maximum	100 mA	Thyratron
Relay-service anode voltage	400 V RMS	RelayService

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gas/fill	Gas filled	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 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Warm-up time	20 s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage tolerance	10 %	—