

ELECTRONIC TUBE REFERENCE

Z900T

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Cold-cathode trigger tube for switching and control circuits. Gas-discharge operation provides abrupt heaterless switching.

GENERAL CHARACTERISTICS

BASE DESIGNATION	MINIATURE	BASE PINS	7
NOMINAL HEATER	– / –	PARALLEL HEATER	– / –
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyratron	
MAXIMUM PLATE VOLTAGE	180 V
MAXIMUM CATHODE CURRENT	25 mA
Gas-discharge device.	

Cold-cathode trigger tube for switching and control circuits.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1957 Philips Receiving and Amplifying Tubes

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

1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 1 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AnodeIgnitionVoltage	290 V	StarterVoltage=0V
StarterIgnitionVoltageMinimum	73 V	—
StarterIgnitionVoltageMaximum	105 V	—
MaintainingVoltage	62 V	AnodeCurrent=25mA



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V2

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V2

Section 1 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode ignition voltage at starter 0 V	290 V	—
Starter ignition voltage variable	73–105 V	—
Starter ignition voltage at anode 0 V	80 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode burning voltage at 50 mA	85 V	—
Anode maintaining voltage at 25 mA	62 V	—
Starter maintaining voltage at 10 mA	75 V	—
Starter maintaining voltage at anode current 25 mA	61 V	—
Anode-starter breakdown voltage	200— V	Minimum
Starter transfer current	50–400 μ A	—
Anode transfer current	—160 μ A	Maximum
Ionization time	20 μ s	—
Deionization time	500 μ s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode-starter voltage	—180 V	—
Maximum average cathode current	—25 mA	—
Maximum peak cathode current	—100 mA	—
Maximum positive starter peak current	—100 mA	—
Relay-service AC supply voltage	117 V RMS	50Hz
Maximum peak inverse voltage as rectifier	—200 V	50Hz
Maximum rectifier current	—100 mA	50Hz



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1971 Mullard Gas Filled Tubes

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1971 MULLARD GAS FILLED TUBES

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode maintaining voltage	62 V	—
Trigger ignition voltage	80 V	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1999 Philips 0-D

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

1999 PHILIPS 0-D
Section 1 · Thyatron

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filling	Gas; cold cathode	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical anode ignition voltage	290 V	ControlVoltage=0V
Typical starter ignition voltage	80 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode supply voltage	180 V	—
Maximum cathode current	25 mA	—
Maximum peak cathode current	100 mA	—