

ELECTRONIC TUBE REFERENCE

2A4G

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Gas-filled grid-controlled thyatron for switching, controlled-rectifier, relay, motor-control, oscillator, or pulse service as documented by the manufacturer.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5S	BASE PINS	5
NOMINAL HEATER	2.5 V / 2.5 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

5S - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – IS	A	IS – Internal Screen	CONNECTED
PIN2 – F	–	F – Filament	CONNECTED
PIN3 – P	A	P – Plate (Anode)	CONNECTED
PIN5 – G1	A	G1 – Control Grid	CONNECTED
PIN7 – F	–	F – Filament	CONNECTED

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM CATHODE CURRENT	100 mA
Argon-filled thyatron. Maximum instantaneous forward and inverse anode voltage 200 V; peak anode current 1.25 A.	

Directly heated gas triode used for relay-control service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tension filament 2,5 volts	2.5 V	Tension filament 2,5 volts
Courant filament 2,5 ampères	2.5 A	Courant filament 2,5 ampères
Tension filament ... 2,5 volts	2.5 V	Tension filament ... 2,5 volts
Chute de tension dans le tube ... 15 volts	15 V	Chute de tension dans le tube ... 15 volts

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage drop	15 V	RelayControl

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC anode current maximum	100 mA	RelayControl
Peak inverse voltage maximum	200 V	RelayControl

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak anode current maximum	1.25 A	RelayControl



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Anode Current	1.25 A	Instantaneous

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ColdStartingTime	2 s	—