

ELECTRONIC TUBE REFERENCE

7401

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Lightweight subminiature cold-cathode self-indicating gas thyatron for relay and control applications with visible glow indication.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM CATHODE CURRENT	8 mA
Cold-cathode thyatron; relay/switching ratings retained as parameters.	

The 7401 is a lightweight subminiature cold-cathode gas thyatron for relay/control applications with visible glow indication.



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
PositiveAnodeVoltageMaximum	180 V	—
NegativeAnodeVoltageMaximum	100 V	—
Anode Supply Voltage	150 V	—
Anode Current	7 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AnodeIonizationVoltage	200 V	—
GridIonizationVoltage	107 V	—
CurrentAmplification	1400	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 4 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 4 OF 4

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Positive Anode Voltage (Max.)	1 VDC	PublishedTable

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transfer Current~ (~ E B = 150 Vdc (Max.)	150 VDC	PublishedTable

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Circuit Resistance	0 oHMs	PublishedTable
Grid Trigger Signal	5 voLTs	PublishedTable
Grid Circuit Should Contain A 8,000 Ohm Series Resistance If The Source	0 OHM	PublishedTable