

ELECTRONIC TUBE REFERENCE

7400

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THYRATRON

Compact cold-cathode self-indicating gas thyatron for relay and control service, producing a visible neon-colored glow while conducting.

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

SECTION 1 Thyatron	
MAXIMUM CATHODE CURRENT	12 mA
Cold-cathode thyatron; relay/switching ratings retained as parameters.	

The 7400 is a compact cold-cathode gas thyatron designed for relay and control service, providing a bright neon-colored glow when conducting.



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	210 V	—
GridIonizationVoltage	109 V	—
CurrentAmplification	1000	—



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode	1 MA	PublishedTable
Anode	10 MA	PublishedTable
Grid	1 MA	PublishedTable

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid	109 VOLTS	PublishedTable
Anode Supply Voltage	15 VDC	PublishedTable
Grid Circuit Should Contain A 5,000 Ohm Series Resistance If The Source	0 OHM	PublishedTable

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Positive Anode Voltage (Max.)	1 VDC	PublishedTable
Transfer Current @ Eb = 150 Vdc	150 VDC	PublishedTable

TUBE TINKER

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