

ELECTRONIC TUBE REFERENCE

4G401A

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Grid-controlled thyatron for switching and controlled-conduction service, with electrical characteristics and operating ratings documented by Standard Valves.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B7D	BASE PINS	—
NOMINAL HEATER	6.3 V / 2.6 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Thyatron	
MAXIMUM CATHODE CURRENT	8 A
PEAK INVERSE VOLTAGE	1 V
Ratings and characteristics extracted from 4G401A.pdf.	

4G401A Thyatron. Technical characteristics, ratings, and operating information are provided in the approved Standard Valves datasheet.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 v	—
Nominal curren	2.6 A	—
Cathode heating time, minimum	30 sec	—
Grid to anode	0.1 pF	—
Inpu	7 pF	—
Qutpu	3.6 pF	—
Maximum peak forward voltage	650 v	—
Maximum peak inverse voltage	500 v	—
1		
before conduction	-200 v	—
Maximum peak cathode curren	8 A	—
\$1Maximum average cathode curren	800 mA	—
Maximum fault cathode curren	30 A	—
Maximum duration of fault cathode curren	0.1 sec	—
11Maximum average screen curren	100 mA	—
{\$1Maximum average control grid curren	50 mA	—
B Vh	63 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ime, approx. "Re; 10000 %1,	800 mA	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Va125V : Vg	-148 V	—
Rg, 1000Q : 1,	800 mA	—
Critical grid WithV,	460 V	—
current, max. I	800 mA	—
Voltage drop, approximately	10 v	—

TUBE TINKER

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and their source documents.

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