

ELECTRONIC TUBE REFERENCE

4039A

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Mercury-vapor relay/control tube in which the grid triggers anode conduction; grid control returns only after the anode current is interrupted.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Thyatron	
MAXIMUM PLATE VOLTAGE	500 V
MAXIMUM CATHODE CURRENT	100 mA
Published ratings/characteristics promoted; remaining useful source values represented as parameters.	

Mercury-vapour relay in which the grid controls the onset of anode current; after triggering, grid control returns only after anode current is interrupted.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Standard Valves

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

1937 STANDARD VALVES

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak instantaneous anode current	200 mA	—
Continuous anode current	100 mA	—
Anode peak voltage	500 V	—
Time delay	30 s	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid control ratio	30–50	—
Conducting voltage drop	10–15 V	—



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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	4 V	—
Heater/filament current	1 A	—
Grid control ratio	30–50	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Time delay	30 s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct anode voltage	500 V	—
Maximum cathode/anode current	100 mA	—
Peak instantaneous anode current	200 mA	—

TUBE TINKER

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