ELECTRONIC TUBE REFERENCE

885

Specialized - Thyratron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

Gas triode for sweep oscillators and grid-controlled rectifier operation. Its controlled gas discharge provides relaxation oscillation and switching.

General characteristics

BASE DESIGNATION	5A2	**BASE PINS**	5
NOMINAL HEATER	2.5 V / 1.5 A	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Thyratron

MAXIMUM PLATE VOLTAGE	350 V
MAXIMUM CATHODE CURRENT	300 mA

Published ratings and characteristics promoted from approved datasheet.

Gas triode sharing the Sylvania 884/885 sheet, intended for sweep oscillators or grid-controlled rectifier operation.

SOURCE OPERATING CONDITIONS

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Thyratron

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum Plate Voltage	**300 V**	—
Maximum Cathode Current	**75 mA**	—
Peak Plate Current	**300 mA**	—
Average Plate Current	**75 mA**	Grid-controlled rectifier; after warmup

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Tube Voltage Drop	**16 V**	—

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1960 RCA Industrial and Communications Types

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

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Thyratron

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
HeaterOrFilamentVoltage	**2.5 V**	—
HeaterOrFilamentCurrent	**1.5 A**	—
DeviceClass	**Negative-control gas triode**	RenewalUse

SOURCE OPERATING CONDITIONS

1971 RCA HB3 Binder 2 of 7

SOURCE PDF

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

1971 RCA HB3 BINDER 2 OF 7

Section 1 · Thyratron

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Heater voltage	**2.5 V**	Nominal
Heater current	**1.5 A**	Nominal
Peak anode voltage - relaxation oscillator service	**300 V**	—
Peak anode voltage - relay/rectifier service	**350 V**	—
Peak cathode current	**300 mA**	—
Average cathode current - relay/rectifier service	**75 mA**	—
Peak grid current - relaxation oscillator service	**1 mA**	—
DC heater-cathode potential	**-100 to +25 V**	—
Ambient temperature range	**-75 to +90 C**	—
Recommended heater warmup before conduction	**10 s**	—

CAPACITANCE		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Grid-to-anode capacitance	**6 pF**	—
Grid-to-cathode capacitance	**2 pF**	—
Anode-to-cathode capacitance	**0.6 pF**	—

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Tube voltage drop	**16 V**	—