

ELECTRONIC TUBE REFERENCE

EC50

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THYRATRON

Gas-filled grid-controlled thyatron for switching, controlled rectification, industrial control, timing, relay, or pulse service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 1.3 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM CATHODE CURRENT	10 mA
Other section; values semantically promoted from published characteristics/maximum-ratings tables where present.	

Gas-filled control triode/thyatron for pulse and control service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 La Radiotechnique

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

1953 LA RADIOTECHNIQUE

Section 1 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Indirect (cathode isolee du filament)	6.3 V	Other

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Capacite de la grille	67 pF	Other
Capacite de l'anode	42 pF	Other
Capacite anode-grille	28 pF	Other
Capacite grille-filament	15 pF	Other

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tension de l'anode (valeur de crete)	0 V	Other
(valeur de crete)	500 V	Other
Courant anodique (valeur de crete)	750 mA	Other
Courant anodique moyen	10 mA	Other
Resistance du circuit de la grille	0.75 Mohm	Other
Tension entre filament et cathode	100 V	Other
00s e nn 0000 f	150 kHz	Other

1957 Philips Receiving and Amplifying Tubes

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

1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	1000 V	—
Maximum Cathode Current	10 mA	—
Peak Anode Voltage	1000 V	—
Peak Anode-to-Grid Voltage	1500 V	—
Peak Anode Current	750 mA	—
Average Anode Current	10 mA	—
Maximum Frequency	150 kHz	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Arc Voltage	33 V	—
Anode/Grid Voltage Ratio	35	—



TUBE TINKER
ELECTRON TUBE DATABASE

SOURCE DATA APPENDIX

1963 Mullard

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

1963 MULLARD

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak voltage between any electrodes maximum	1500 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak anode voltage maximum	1000 V	—
Average anode current maximum	10 mA	—
Peak anode current maximum	750 mA	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gas voltage drop	35 V	—
Control ratio	35	—


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Striking voltage	33 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak anode voltage	1500 V	—
Peak anode current	750 mA	—
Maximum frequency	150 kHz	—

TUBE TINKER

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