

ELECTRONIC TUBE REFERENCE

AN1

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Inert-gas triode thyatron with negative-control characteristic for industrial control and switching. Grid action initiates controlled gas conduction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 1.6 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	650 V
MAXIMUM CATHODE CURRENT	300 mA
Inert-gas thyatron section; pulse and inverse-voltage ratings retained as parameters.	

Inert-gas triode thyatron with negative-control characteristic for industrial control and switching.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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 inverse anode voltage maximum	1300 V	—
Peak forward anode voltage maximum	650 V	—
Peak cathode current maximum	2 A	Pulse
Average cathode current maximum	300 mA	—
Heater current maximum	1.6 A	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	4 V	—
Anode voltage drop approximate	9 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-to-control-grid capacitance	3.3 pF	—
Control-grid-to-cathode capacitance	4.5 pF	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Industrial control / thyatron switching	—

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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