



ELECTRONIC TUBE REFERENCE

XR11600

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Industrial-control thyatron for substantial power switching. Its heavy directly heated cathode supports controlled gas-discharge current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 9.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Thyatron	
MAXIMUM PLATE VOLTAGE	1500 V
MAXIMUM CATHODE CURRENT	1.6 A
<i>Industrial-control gas thyatron section.</i>	

The Mullard XR11600 is a directly heated inert-gas triode thyatron with negative-control characteristics 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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	2.5 V	—
Filament Current	9.5 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Peak Forward Anode Voltage	1500 V	—
Maximum Peak Inverse Anode Voltage	1500 V	—
Maximum Peak Cathode Current	20 A	—
Maximum Average Cathode Current	1.6 A	—
Maximum Negative Grid Voltage Before Conduction	-250 V	—
Maximum Negative Grid Voltage During Conduction	-10 V	—
Ignitor Firing Peak Cathode Current	30 A	FilamentVoltage=2.75V
Ignitor Firing Average Cathode Current	500 mA	FilamentVoltage=2.75V
Maximum Positive Grid Current Peak	1.25 A	AnodeVoltage>-10V
Maximum Positive Grid Current Average	100 mA	AveragingTime=1Cycle

TUBE TINKER

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