

ELECTRONIC TUBE REFERENCE

XR16400

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

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

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / —	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	6.4 A
Industrial-control gas thyatron section.	

The Mullard XR16400 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	—
Minimum Heating Time	60 s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Peak Forward Anode Voltage	1500 V	—
Maximum Peak Inverse Anode Voltage	1500 V	—
Maximum Peak Cathode Current	80 A	—
Maximum Average Cathode Current	6.4 A	—
Maximum Negative Grid Voltage Before Conduction	-250 V	—
Maximum Negative Grid Voltage During Conduction	-10 V	—
Maximum Surge Cathode Current	1120 A	Duration<=0.1s
Maximum Grid Circuit Resistance	100000 ohm	—
Ambient Temperature Minimum	-85 degC	—
Ambient Temperature Maximum	70 degC	—