

ELECTRONIC TUBE REFERENCE

XR11600A

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Power-control thyatron for substantial industrial 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

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	1500 V
MAXIMUM CATHODE CURRENT	2.5 A
Gas-discharge device.	

The Mullard XR11600A is an inert-gas thyatron for power-control and ignitor-firing applications.

SOURCE OPERATING CONDITIONS

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 Nominal	2.5 V	GeneralControlService
Filament Current	9.5 A	GeneralControlService
Cathode Heating Time	10 s	—
Anode-Grid Capacitance	0.35 pF	—
Grid-Cathode Capacitance	10 pF	—
Anode Voltage Drop	10 V	Approximate
Ionisation Time	10 us	Approximate

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	GeneralControlService
Maximum Peak Cathode Current	30 A	IgnitorFiringService
Maximum Average Cathode Current	1.6 A	GeneralControlService
Maximum Average Cathode Current	500 mA	IgnitorFiringService
Maximum Negative Grid Voltage Before Conduction	250 V	—

1971 Mullard Gas Filled Tubes

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

1971 MULLARD GAS FILLED TUBES

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak anode voltage	1.5 kV	—
Maximum peak cathode current	30 A	—
Maximum average cathode current	2.5 A	—
Heater/filament voltage	2.5 V	—
Filament current	7.5 A–9.5 A	At 2.5 V, Ik=0

TUBE TINKER

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