

Rugged hydrogen-filled three-element thyatron with internal reservoir for high-energy pulse-network discharge service. Controlled gas switching handles substantial pulse energy.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 10 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	16000 V
NOMINAL OUTPUT CURRENT	225 mA
WARM-UP TIME	180 s
Applicable promoted fields mapped semantically from the printed ratings; device-specific electrical limits and operating conditions are preserved densely in TUBE_SECTION_PARAMETER.	

Hydrogen-filled three-element thyatron for high-energy pulse-network discharge service, with internal hydrogen reservoir and rugged construction.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 ITT

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

1962 ITT

Section 1 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	5.9–6.7 V	—
Heater Current	9 A–11 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Heating Time	3 min	—
Peak Forward Anode Voltage	16000 V	—
Average Anode Current	225 mA	—
RMS Anode Current	6.3 A	—
Peak Inverse Trigger Voltage	200 V	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage minimum	5.9 V	—
Heater voltage maximum	6.7 V	—
Heater current minimum	9 A	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current maximum	11 A	—
Peak forward anode voltage maximum	16 kV	—
Peak inverse anode voltage maximum	16 kV	—
Minimum anode supply voltage	3.5 kV	—
Peak average anode current maximum	325 A	—
Average anode current maximum	225 mA	—
RMS anode current maximum	6.3 A	—
Anode current rise rate maximum	15000 A/us	—
Peak inverse trigger voltage maximum	200 V	—
Anode delay time maximum	0.6 us	—
Time jitter initial maximum	0.0005 us	—
Time jitter end-of-life maximum	0.01 us	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum heating time	3 min	—

TUBE TINKER

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