

ELECTRONIC TUBE REFERENCE

8354

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THYRATRON

Hydrogen thyatron for high-power pulse switching. Its heavy heater and controlled gas discharge support rapid, substantial pulse-current conduction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 11 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	25000 V
NOMINAL OUTPUT CURRENT	2.2 A
WARM-UP TIME	300 s
Applicable promoted fields mapped semantically from the printed ratings; device-specific electrical limits and operating conditions are preserved densely in TUBE_SECTION_PARAMETER.	

Ceramic hydrogen thyatron rated for high peak and average pulse power.

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	5.8–6.8 V	—
Heater Current	11 A–18 A	—
Reservoir Voltage	5.8–6.8 V	—
Reservoir Current at 6.3V	3 A–8 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Heating Time	5 min	—
Peak Forward Anode Voltage	25000 V	—
Peak Inverse Anode Voltage	25000 V	—
Average Anode Current	2.2 A	—

TUBE TINKER

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and their source documents.

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