

ELECTRONIC TUBE REFERENCE

F1087

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

Multigap metal-ceramic hydrogen thyatron for roughly 100-kV-class pulse switching. Its series-gap construction supports very high blocking voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 6 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	Thyatron
MAXIMUM PLATE VOLTAGE	100000 V
Hydrogen thyatron; fixed schema has no dedicated thyatron promoted fields, so switching ratings are preserved densely in parameters.	

('IsGasFilled', 'IsPulseRated', 'IsHighVoltageTube', 'IsXRayHazard')

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 current	5.5 A–6.5 A	—
Reservoir voltage nominal	5 V	—
Reservoir current typical	5 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak anode voltage forward	100000 V	—
Maximum peak inverse anode voltage	20000 V	—
Maximum peak anode current	350 A	—
Maximum average anode current	500 mA	—
Maximum RMS anode current	7 A	—
Maximum anode current rate of rise	2500 A/us	—
Maximum anode delay time	1 us	—
Maximum anode delay drift	0.1 us	—
Maximum time jitter	0.005 us	—
Minimum heating time	5 min	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker