ELECTRONIC TUBE REFERENCE

7386

Specialized - Thyratron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

Xenon thyratron for substantial controlled-power switching. Its directly heated cathode supports grid-triggered gas-discharge current.

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

SECTION1 Thyratron

PEAK INVERSE VOLTAGE	1250 V
NOMINAL OUTPUT CURRENT	6.4 A
PEAK FORWARD CURRENT	100 A
FORWARD VOLTAGE DROP	14 V
WARM-UP TIME	60 s

Xenon thyratron; applicable rectifier-like conduction ratings promoted from the published specification.

Rugged xenon thyratron for grid-controlled rectifier, welding-control, motor-control and adjustable-DC service.

SOURCE OPERATING CONDITIONS

1955 Vacuum Tube Products

SOURCE PDF

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

1955 VACUUM TUBE PRODUCTS

Section 1 · Thyratron

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Heater Current	**17 A–23 A**	—
Operating Temperature	**-55–75 C**	—
Tube Voltage Drop	**14 V**	Anode current=6.4A
Peak Emission Voltage Drop	**45 V**	Anode current=100A
Critical Grid Voltage	**-7.5–-3 V**	Anode=1000V
Critical Anode Voltage	**75 V**	Grid=+3V; conduction below this value

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Rated Anode Current Continuous	**6.4 A**	—
Rated Anode Current Average	**6.4 A**	—
Rated Anode Current 15-Second	**12.8 A**	15s on / 15s off
Peak Anode Current	**100 A**	Continuously oscillographically recorded
Peak Forward Voltage	**1000 V**	—
Peak Inverse Voltage	**1250 V**	—

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