



ELECTRONIC TUBE REFERENCE

323A

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Western Electric argon/mercury special-purpose diode for high-current switching and rectifier service rather than a grid-controlled thyatron.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	2.5 V / 7 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Thyatron	
MAXIMUM CATHODE CURRENT	1.5 A
PEAK INVERSE VOLTAGE	500 V
NOMINAL OUTPUT CURRENT	1.5 A
PEAK FORWARD CURRENT	6 A
FORWARD VOLTAGE DROP	15 V
WARM-UP TIME	10 s
<i>Thyatron; published conduction ratings mapped to applicable rectifier-like fields.</i>	

Argon/mercury special-purpose diode for high-current switching/rectifier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 Western Electric Tubes

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

1956 WESTERN ELECTRIC TUBES

Section 1 · Thyatron

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gas filling	Argon and mercury	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak anode current	6 A	—



SOURCE OPERATING CONDITIONS

2026 Western Electric 200s

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

2026 WESTERN ELECTRIC 200S

Section 1 · Thyatron

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Time Averaging Anode Current	5 s	—
Maximum Instantaneous Grid Current	50 mA	—
Operating Temperature Minimum	-20 C	—
Operating Temperature Maximum	90 C	—
Nominal Deionization Time	1000 us	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Western Electric 300s

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

2026 WESTERN ELECTRIC 300S

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak voltage between anode and grid	500 V	—
Maximum instantaneous anode current	6 A	—
Maximum average anode current	1.5 A	—
Required heating time	10 s	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Approximate tube voltage drop	15 V	Conducting

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