



ELECTRONIC TUBE REFERENCE

354A

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THYRATRON

Gas-filled grid-controlled thyatron for switching, controlled-rectifier, relay, motor-control, oscillator, or pulse service as documented by the manufacturer.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	2.5 V / 16 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Thyatron	
MAXIMUM PLATE VOLTAGE	1500 V
MAXIMUM CATHODE CURRENT	4 A
PEAK INVERSE VOLTAGE	1500 V
NOMINAL OUTPUT CURRENT	4 A
PEAK FORWARD CURRENT	16 A
FORWARD VOLTAGE DROP	15 V
WARM-UP TIME	45 s
Thyatron; published conduction ratings mapped to applicable rectifier-like fields.	

The Western Electric 354A is a mercury-filled thyatron for controlled switching 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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Instantaneous Anode Current	16 A	—
Maximum Average Anode Current	4 A	—
Maximum Averaging Time	15 s	—
Maximum Operating Anode Voltage	1500 V	—



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	15 s	—
Maximum Instantaneous Grid Current	50 mA	—
Operating Temperature Minimum	30 C	—
Operating Temperature Maximum	70 C	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal Deionization Time	1000 us	—



SOURCE DATA APPENDIX

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RequiredHeatingTime	45 s	—
Approximate Tube Voltage Drop	15 V	—
NominalDeionizationTime	1000 us	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumPeakVoltageAnodeToGrid	1500 V	—
MaximumInstantaneousAnodeCurrent	16 A	—
MaximumAverageAnodeCurrent	4 A	—
MaximumAveragingTimeAnodeCurrent	15 s	—
MaximumInstantaneousGridCurrent	50 mA	—
OperatingCondensedMercuryTemperature	30–70 degC	—

TUBE TINKER

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and their source documents.

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