

ELECTRONIC TUBE REFERENCE

FG95

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Four-electrode mercury-vapor thyatron with negative-control characteristics for high-impedance, low-grid-power control sources.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 4.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION0 Thyatron	
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM CATHODE CURRENT	2.5 A
Double-grid thyatron. Forward peak anode maximum and average anode current promoted.	

Four-electrode mercury-vapor thyatron with negative-control characteristics for high-impedance, low-grid-power control sources.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 National Electronics Industrial Tubes

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

1956 NATIONAL ELECTRONICS INDUSTRIAL TUBES

Section 0 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse voltage	1000 V	Published datasheet value
Maximum peak forward voltage	1000 V	Published datasheet value
Maximum DC output current	2.5 A	Published datasheet value
Maximum instantaneous output current	15 A	Published datasheet value
Maximum AC short-circuit current	200 A	Published datasheet value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heating time	300 s	Published datasheet value
Typical arc drop	12 V	At stated peak current
Ionization time	10 us	Approximate
Deionization time	1000 us	Approximate
Anode-grid capacitance	0.2 pF	Published capacitance



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament heating time	300 s	MercuryVaporThyratron
Tube voltage drop	16 V	MercuryVaporThyratron
Ionization time	10 μs	MercuryVaporThyratron
Deionization time	1000 μs	MercuryVaporThyratron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak forward voltage maximum	1000 V	MercuryVaporThyratron
Peak inverse voltage maximum	1000 V	MercuryVaporThyratron
Peak anode current maximum	15 A	MercuryVaporThyratron
Average anode current maximum	2.5 A	MercuryVaporThyratron
Maximum grid voltage	-1000 V	MercuryVaporThyratron
Recommended mercury temperature range	+40 to +80 °C	MercuryVaporThyratron



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO
Section 0 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Anode Voltage	1000 V	—
Instantaneous Anode Current	15 A	25CyclesAndAbove
Surge Anode Current	200 A	DesignOnly

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-Control Grid Capacitance	0.2 pF	Approximate

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