

ELECTRONIC TUBE REFERENCE

S1540I

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Heavy-current thyatron for industrial controlled-power service. Its large heater supports substantial gas-discharge switching.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 20 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM CATHODE CURRENT	12 A
Thyatron has no dedicated canonical SectionType; represented as Other.	

Mercury-vapor thyatron with indirectly heated oxide cathode, used primarily as a high-voltage half-wave rectifier and also as a switching and control tube in industrial regulating equipment.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 AEG

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

1953 AEG

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	5 V	—
Filament current	20 A	—
Warm-up time minimum	600 sec	—
Peak anode voltage maximum	15 kV	—
Peak inverse voltage maximum	15 kV	—
Peak anode current maximum	40 A	—
Average anode current maximum	12 A	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Arc voltage drop	15 V	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 RFT Rundfunk Technik

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

1953 RFT RUNDfunk TECHNIK

Section 1 · Thyatron

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	5 V	Published nominal value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament current	20 A	Published nominal value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage	15 kV	Published
Minimum anode voltage	600 V	Published

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