



ELECTRONIC TUBE REFERENCE

678

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THYRATRON

Grid-controlled vapor rectifier for controlled rectification and switching at approximately 25-150 Hz, intended for industrial power-control applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 7.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Thyatron	
PEAK INVERSE VOLTAGE	15000 V
NOMINAL OUTPUT CURRENT	1.6 A
PEAK FORWARD CURRENT	6 A
FORWARD VOLTAGE DROP	15 V
WARM-UP TIME	60 s
<i>High-voltage negative-control mercury-vapor thyatron suited to relay service.</i>	

Grid-controlled vapor rectifier for 25 to 150 Hz controlled rectification and switching service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Westinghouse

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

1947 WESTINGHOUSE

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	5 V	Nominal
HeaterCurrentNominal	7.5 A	Nominal
Maximum Peak Inverse Voltage	15000 V	—
AverageOrDCOutputCurrent	1.6 A	—
MaximumPeakForwardCurrent	6 A	—
Peak Forward Anode Voltage	15000 V	High-voltage service

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FilamentHeatingTime	60 s	—
FrequencyRange	—	25 to 150 Hz

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Amperex Industrial

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

1958 AMPEREX INDUSTRIAL

Section 1 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament heating time	60 s	—
Tube voltage drop	15 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak forward voltage	15000 V	—
Peak inverse voltage	15000 V	—
Peak anode current	6 A	—
Average anode current	1.6 A	—
Maximum grid voltage	-500 V	—

TUBE TINKER

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and their source documents.

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