

ELECTRONIC TUBE REFERENCE

6783

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Inert-gas and mercury-vapor thyatron combining fast starting, wide ambient-temperature operation, and long service life for controlled switching applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 8.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
PEAK INVERSE VOLTAGE	2500 V
NOMINAL OUTPUT CURRENT	1.6 A
PEAK FORWARD CURRENT	20 A
FORWARD VOLTAGE DROP	16 V
Published electrical limits and characteristics promoted from the approved source. Values without an applicable promoted column are retained in TUBE_SECTION_PARAMETER.	

Inert-gas mercury-vapor thyatron combining fast starting, wide ambient-temperature operation, and long life.



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	2.5 V	Nominal
HeaterCurrentNominal	8.5 A	Nominal
Maximum Peak Inverse Voltage	2500 V	—
AverageOrDCOutputCurrent	1.6 A	—
MaximumPeakForwardCurrent	20 A	—
Peak Forward Anode Voltage	2500 V	General control service

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward Voltage Drop	16 V	—
Heating Time	10 s	—
Ionization Time Approximate	10 us	—
Deionization Time Approximate	1000 us	—

TUBE TINKER

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and their source documents.

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