

ELECTRONIC TUBE REFERENCE

3V500A

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

High-voltage mercury-vapor thyatron for controlled power switching and rectification, using grid triggering to initiate conduction in demanding high-voltage circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	4 V / 11 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
PEAK INVERSE VOLTAGE	20000 V
NOMINAL OUTPUT CURRENT	1.25 A
PEAK FORWARD CURRENT	5 A
Values transcribed from the approved datasheet; additional published data retained as parameters.	

High-voltage mercury-vapor thyatron.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode to grid	2 pF	Published direct interelectrode capacitance
Grid to cathode	15 pF	Published direct interelectrode capacitance
Heater/filament nominal current	11 A	Nominal published value

TUBE TINKER

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