

ELECTRONIC TUBE REFERENCE

ZT1000

Specialized - Thyratron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Grid-controlled mercury-vapor half-wave rectifier for high-voltage controlled power conversion. Its heavy heater supports substantial triggered discharge current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 13 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	21000 V
NOMINAL OUTPUT CURRENT	2.5 A
PEAK FORWARD CURRENT	10 A
FORWARD VOLTAGE DROP	12 V
WARM-UP TIME	90 s
Special-purpose section represented as Other under canonical SectionType vocabulary.	

Grid-controlled mercury-vapor half-wave rectifier for high-voltage controlled rectification.



SOURCE OPERATING CONDITIONS

1953 Amperex

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

1953 AMPEREX

Section 1 · Rectifier

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode To Grid Capacitance	4 pF	Published direct interelectrode capacitance
Grid To Cathode Capacitance	13 pF	Published direct interelectrode capacitance

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Anode Voltage Inverse	21 kV	Published source value
Average Anode Current	2.5 A	Published source value

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube Voltage Drop	12 V	Published source value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Rectifier

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heating	1	Heating : direct _ 1
mercury temperature which is 5 OC less than the values	5 OC	mercury temperature which is 5 OC less than the values

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
4) Direct voltage; before conduction	4	4) Direct voltage; before conduction
c. la temperature ,doit être mesurée quand l'équilibre	1	c. la temperature ,doit être mesurée quand l'équilibre

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