

ELECTRONIC TUBE REFERENCE

5528

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Xenon-filled grid-controlled thyatron for controlled-rectifier service, combining high peak and average anode-current capability with grid-triggered gas conduction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
NOMINAL HEATER	2 V / 2.1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	350 V
Xenon-filled grid-controlled thyatron.	

5528 is a xenon-filled grid-controlled thyatron intended for controlled rectifier service, with high peak and average anode-current ratings.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1945 Continental Electronics

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

1945 CONTINENTAL ELECTRONICS

Section 1 · Thyatron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gas	Xenon	—
Heating Time	60 s	—
Tube Voltage Drop	12 V	Approximate
Critical Grid Voltage	-2 V	At rated voltage
Critical Grid Voltage	-25 V	At 100 V
Critical Anode Voltage	75 V	At 13 V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Voltage	—500 V	Maximum
Peak Forward Voltage	—350 V	Maximum
Peak Anode Current	—77 A	Maximum
Average Anode Current	—6.4 A	Maximum