



ELECTRONIC TUBE REFERENCE

AX9911

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THYRATRON

Hydrogen thyatron, co-designated 6268/AX-9911, designed for high-pulse-current switching in pulse network and other demanding pulsed-power applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 6.1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Thyatron	
MAXIMUM PLATE VOLTAGE	8000 V
MAXIMUM CATHODE CURRENT	100 mA
<i>Hydrogen-filled thyatron; maximum peak cathode current is 80 A and average cathode current is 0.1 A. Pulse/trigger limits preserved as parameters.</i>	

AX9911 (6268/AX-9911) is listed in the supplied Amperex material as a hydrogen thyatron with high-pulse-current switching ratings.



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 · Thyatron

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Hydrogen filling	Hydrogen	—
Cathode heating time required	180 s	—
Tube drop	160 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak cathode current maximum	80 A	Pulse
Average cathode current maximum	100 mA	—
Maximum rate of rise of cathode current	1000 A/us	Pulse



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak forward anode voltage	8000 V	HydrogenThyatron

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak anode current	90 A	HydrogenThyratron
Maximum average anode current	100 mA	HydrogenThyratron
Maximum pulse width	6 us	HydrogenThyratron