

ELECTRONIC TUBE REFERENCE

5C22A

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Improved hydrogen thyatron for high-power pulse switching, offering lower time jitter than the 5C22 at high repetition rates.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	6.3 V / 10.6 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	Thyatron
MAXIMUM PLATE VOLTAGE	16000 V
Hydrogen thyatron pulse-control section; non-promoted pulse ratings preserved as parameters.	

Hot-cathode grid-controlled hydrogen thyatron for high-repetition-rate pulsing, high peak current and high voltage, with improved low time jitter versus 5C22.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	Nominal
Heater Current	10.6 A	Nominal
PeakAnodeVoltage	16000 V	Pulse
Peak Anode Current	325 A	Pulse
Average Anode Current	200 mA	Pulse
Peak Inverse Anode Voltage	16000 V	Pulse