



ELECTRONIC TUBE REFERENCE

6279

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THYRATRON

High-voltage hydrogen thyatron interchangeable with 5C22, using a self-contained hydrogen source for stable pulse service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
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

SECTION 1 Thyatron	
MAXIMUM PLATE VOLTAGE	18000 V
MAXIMUM CATHODE CURRENT	200 mA
<i>Hydrogen-filled thyatron; maximum peak cathode current is 325 A and average cathode current is 0.2 A. Pulse/trigger limits preserved as parameters.</i>	

High-voltage hydrogen thyatron interchangeable with 5C22 except for its self-contained hydrogen source.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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	300 s	—
Tube drop	176 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak cathode current maximum	325 A	Pulse
Average cathode current maximum	200 mA	—
Maximum rate of rise of cathode current	1500 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	16000 V	HydrogenThyatron
Maximum peak anode current	325 A	HydrogenThyatron
Maximum average anode current	200 mA	HydrogenThyatron
Maximum pulse width	6 us	HydrogenThyatron

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak forward anode voltage maximum	16000 V	HydrogenThyatron;Pulse
Peak anode current maximum	325 A	HydrogenThyatron;Pulse
Average anode current maximum	200 mA	HydrogenThyatron;Pulse
Pulse width maximum	2 μs	HydrogenThyatron;Pulse
Interchangeability	Equivalent to 5C22 except self-contained hydrogen source	Section1

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum life	1000 h	HydrogenThyatron