



ELECTRONIC TUBE REFERENCE

1G35P

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THYRATRON

Hydrogen thyatron for high-speed pulse switching. Its controlled gas discharge supports rapid high-current pulse-power operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
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
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Hydrogen thyatron for radar modulators and pulse applications; interchangeable with 4C35 and 4C35A.

Hydrogen thyatron for radar modulators and pulse applications; interchangeable with 4C35 and 4C35A.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1982 Toshiba

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

1982 TOSHIBA

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Anode Current	90 A	—
Average Anode Current	100 mA	—
Minimum DC Supply Voltage	2500 V	—
Maximum Rate of Rise of Anode Current	1000 A/us	—
Pulse Repetition Rate	2500 pps	—
Pulse Duration	6 us	—
DC Anode Supply Voltage	4000 V	PulseModulator
Pulse Repetition Rate	2250 pps	PulseModulator
Pulse Width	0.5 us	PulseModulator
Peak Power Output	310 kW	PulseModulator
DC Anode Current	94 mA	PulseModulator

TUBE TINKER

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and their source documents.

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