

ELECTRONIC TUBE REFERENCE

TH4B

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

Russian cold-cathode thyatron for low-power signal conversion.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	0
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron

No fixed ratings recorded.

2026 Russian Thyatron Cold datasheet: cold-cathode miniature glass thyatron; anode-cathode 125 V; direct anode 225 V; maximum anode current 7-70 mA (nominal 38.5 mA); average 3.5 mA; grid-cathode 100 V; mass 4 (unit unspecified).

The TH4B is a gas-discharge thyatron for pulse conversion.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Russian

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

195X RUSSIAN

Section 1 · Thyatron

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Second-grid extinguishing voltage	95 V	Published value
Anode-cathode voltage drop	125 V	Maximum
Ignition control-grid voltage	225 V	Published value
Gas pressure	5 mmHg	Published value
Warm-up time	30 s	Published value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average anode current	7 mA	Published limit
Control-grid current	3.6 mA	Published limit
Control-grid voltage	-60–100 V	Published operating range
Maximum pulse repetition rate	500 Hz	Published limit
Maximum pulse width	150 us	Published limit
Maximum duty cycle	10 percent	Published limit