



ELECTRONIC TUBE REFERENCE

IN12B

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Russian long-life cold-cathode Nixie numerical display for visual indication, with ignition voltage up to approximately 170 V and 7,500-hour rated life.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Nixie	
MAXIMUM REGULATOR CURRENT	2 A
STARTING VOLTAGE	170 V
MAINTAINING VOLTAGE	150 V
Single cold-cathode glow-discharge indicator section; Nixie-specific operating data are also retained as parameters.	

The IN12B is a Russian cold-cathode glow-discharge Nixie numeric/symbol display intended for visual indication. Ignition voltage up to 170 v, maintaining/anode-cathode voltage up to 150 v, published life at least 7500 h. The supplied Russian datasheet was translated for this record.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X Nixie Russian 2

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

196X NIXIE RUSSIAN 2

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Decimal-point indication current	—0.3 mA	Published datasheet value
Digit operating current DC	2–3.5 mA	DC supply
Decimal-point operating current DC	0.3–0.7 mA	DC supply
Digit operating current pulsed average	1–2 mA	Pulsed supply
Decimal-point operating current pulsed average	0.15–0.2 mA	Pulsed supply
Supply voltage	200— V	Minimum stated source/supply voltage
Ignition voltage	—170 V	Published datasheet value
Maintaining voltage / anode-cathode drop	—150 V	Published datasheet value
Indication current	—2 mA	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Brightness	100— cd/m ²	Minimum
Viewing angle	45— deg	Minimum
Service life	7500— h	Minimum

TUBE TINKER

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