ELECTRONIC TUBE REFERENCE

IN7A

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
NIXIE

Russian cold-cathode glow-discharge numeric/symbol indicator intended for direct visual display. Manufacturer data specify ignition voltage up to 170 V and maintaining voltage up to 160 V, with a published minimum operating life of 800 hours.

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

SECTION1 Nixie

MAXIMUM REGULATOR CURRENT	2.5 A
STARTING VOLTAGE	170 V
MAINTAINING VOLTAGE	160 V

Single cold-cathode glow-discharge indicator section; Nixie-specific operating data are also retained as parameters.

The IN7A 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 160 v, published life at least 800 h. The supplied Russian datasheet was translated for this record.

SOURCE OPERATING CONDITIONS

196X Nixie Russian 2

SOURCE PDF

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**
Ignition delay time	—1 s	Published datasheet value
DC operating current	—3.5 mA	Published datasheet value
Pulsed operating current average	—4 mA	Published datasheet value
Ambient operating temperature minimum	-60 degC	Published datasheet value
Ambient operating temperature maximum	85 degC	Published datasheet value
Supply voltage	200— V	Minimum stated source/supply voltage
Ignition voltage	—170 V	Published datasheet value
Maintaining voltage / anode-cathode drop	—160 V	Published datasheet value
Indication current	—2.5 mA	Published datasheet value

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Service life	800— h	Minimum

TUBE TINKER

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