ELECTRONIC TUBE REFERENCE

IN19A

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
NIXIE

Russian cold-cathode glow-discharge symbol indicator intended for direct visual indication. Manufacturer documentation specifies ignition voltage up to 170 V, maintaining voltage up to about 150 V, and a published operating life of at least 5,000 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	150 V

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

The IN19A 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 5000 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
DC operating current	**2.5–3.5 mA**	DC supply
Pulsating operating current average	**0.8–1.6 mA**	50 Hz pulsating 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	**––2.5 mA**	Published datasheet value

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Brightness	**50–– cd/m^2**	Minimum
Viewing angle	**60–– deg**	Minimum
Service life	**5000–– h**	Minimum

TUBE TINKER

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